

CLASS TITLE: TRAFFIC SYSTEMS ANALYST

PURPOSE OF THE CLASSIFICATION: Under general supervision analyzes traffic patterns, designs plans to control traffic signals, monitors and programs citywide traffic systems, provides maintenance support for related complex computer and communication equipment operation, operates the Traffic Management Center (TMC) and the Advanced Traffic Management System (ATMS) and performs other related assigned duties.

ESSENTIAL TASKS:

- Performs basic systems design and analysis in developing traffic signal timing plans to meet defined traffic control needs
- Monitors and programs citywide traffic signal and communication systems
- Operates traffic signal system and auxiliary equipment
- Aids in the design, implementation and operation of traffic signal communications systems
- Assists users in computer operations and troubleshoots and resolves related problems
- Prepares and maintains documentation of computer and communication operating procedures
- Performs inspection, testing, repair and modification of traffic signal and complex computer and communication equipment
- Coordinates field installations, testing and maintenance of signal equipment
- Acts as liaison with other sections regarding traffic needs and computer issues
- Coordinates with IT on workstation and server maintenance, operations, and upgrades
- Handles traffic signal timing and operation complaints
- Must report to work on a regular and timely basis

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

QUALIFICATIONS:

Training and Experience: Completion of sixty (60) hours coursework from an accredited college or university in mathematics, electronics technology, computer science or a related field; and four (4) years experience in the maintenance and troubleshooting of traffic signal systems and related communications equipment or computer programming; or an equivalent combination of training and experience per Personnel Department Policies and Procedures, Section 128.

Knowledge, Abilities and Skills: Considerable knowledge of industry standard traffic signal modeling software, control equipment, centralized software systems and related communication technologies; considerable knowledge of the standard tools, materials, methods, and practices of the electrical and electronics trade and related safety policies, procedures and practices; and good knowledge of SQL Server operating principles. Ability to work independently and to recognize, analyze and solve complex programming problems; ability to perform and/or coordinate the installation, maintenance and troubleshooting of traffic signal systems, devices and equipment; ability to analyze traffic patterns and design and implement plans to initiate synchronized traffic flow; ability to read and interpret blueprints, schematics and specifications; ability to prepare and maintain documentation of computer/communication operating procedures; and the ability to courteously and tactfully communicate with fellow workers, supervisors, other members of the organization, and the public in giving and receiving information.

Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a keyboard, ten-key and telephone; occasional lifting and carrying up to 50 pounds; may require sitting for extended periods of time; subject to standing, bending, reaching, walking, and repetitive movements; and vision, speech and hearing sufficient to perform the essential tasks.

Licenses and Certificates: Possession of a valid Oklahoma Class "D" Operator's license and a valid Class "B" Oklahoma Commercial Driver's License (CDL) within six (6) months of hire date.

WORKING ENVIRONMENT: Working environment is primarily indoors; and requires use of telephone and other office equipment.

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Class Code: 3509

EEO Code: N-03

Pay Code: AT-32

Group: Administrative and Technical

Series: Data Processing and Information Services

Effective Date: January 25, 2017