

## **CLASS TITLE: TRAFFIC SIGNAL TECHNICIAN I**

**PURPOSE OF THE CLASSIFICATION:** Under general supervision supervises and/or participates in the installation, maintenance, and repair of traffic signals, sign flasher systems, communications, and other related equipment along with other related assigned duties.

### **ESSENTIAL TASKS:**

- Assists with a variety of installation, maintenance, repair, and calibration activities
- Performs maintenance and repair work
- Delivers parts and equipment to job sites
- Performs testing of controllers and related electronic equipment
- Assists with a routine maintenance program of control equipment
- Assists with reports for departmental management
- Assists with maintenance of files and records
- Operates light to heavy automotive equipment and/or a City vehicle
- Assists with modification and building of specialized equipment related to the testing and operation of traffic control signals
- Performs modifications of traffic control systems at field locations on existing control systems
- Assists with installation of communications and microprocessor based equipment
- Assists with maintenance of various databases
- Performs locates for underground traffic infrastructure
- Operates the after-hours traffic trouble truck
- Must report to work on a regular and timely basis

### **QUALIFICATIONS:**

Training and Experience: Graduation from high school or possession of a General Educational Development Certificate (GED), with five (5) years of experience in electrical work or field repair of electronic equipment and related process control equipment, two (2) of which are preferred to be in traffic signal construction, operation, or maintenance; or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128. Preference will be given for successful completion of an approved two (2) year program in electronics, computer science, or another related field; or 600 clock hours in an approved technical program in electronics or control systems; or an unlimited Journeyman Electrician's license as issued by the State of Oklahoma; or an equivalent combination of training and experience per Personnel Policies and Procedures Section 128. Refer to the Traffic Signal Technician progression criterion document for additional requirements.

Knowledge, Abilities and Skills: Considerable knowledge of the operating principles of traffic signal maintenance and equipment; considerable knowledge of the tools, equipment, methods, and materials, used in the testing, maintenance and repair of such equipment; and considerable knowledge the theory and operating principles of solid state devices and circuitry. Ability to train subordinates; ability to read and work from wiring diagrams, schematics, engineering specifications, and factory service manuals; ability to perform technical diagnostic repair work; ability to maintain inventory and work records; and ability to perform assignments independently with limited supervision. Applicant must possess skill in the use of various tools and equipment in the repair and maintenance of electrical and electronic equipment and plant process controls and instrumentation.

Physical Requirements: Physical requirements include frequent lifting up to 10 pounds, with occasional lifting up to 90 pounds, frequent carrying up to 20 pounds with occasional carrying up to 90 pounds, frequent pushing and pulling up to 10 pounds with occasional pushing up to 60 pounds and pulling a maximum peak force of 69 pounds; may be subject to extended periods of walking and standing, reaching, balancing, bending, kneeling, crawling, handling, feeling, climbing, smelling, and twisting; occasional crawling and feeling; and vision, speech, and hearing sufficient to perform the essential tasks.

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

**WORKING ENVIRONMENT:** Working environment is indoors and outdoors and in inclement weather; may be exposed to the following: hazardous materials, animal waste/dead animals, flammable liquids, traffic, cramped work areas, excessive dust, weather/temperature extremes, trench excavations, underground gas/electric/petroleum lines, rough terrain, hazardous/toxic atmospheres, damp/wet surfaces, snow/ice covered surfaces, overhead power lines, toxic fumes/vapors/odors, confined spaces, compressed gases, high noises, and computer monitor. This position will include overtime and evening work on a rotating shift; and may include nighttime shift work.

**Class Code: 7542**

**EEO Code: N-03**

**Pay Code: LT-18**

**Group: Labor and Trades**

**Series: Operations and Maintenance**

**Effective Date: January 25, 2017**