

## TRAFFIC SIGNAL MAINTENANCE WORKER

### CLASS DESCRIPTION

#### General Responsibilities:

This is technical and semi-skilled electrical work assisting higher level electricians in the repair, maintenance, and installation of electrical and electronic equipment associated with traffic signal, street lighting, and other City-owned electrical/electronic systems and performing less complex aspects of this work independently. Employees in this classification may also perform Machine Traffic Counts, maintain and repair the counters, and collect, compile, and enter accumulated data. Duties may also consist of heavy manual construction related work. Assignments are received by work order or general directive and are performed under general supervision.

#### Examples of Duties and Responsibilities:

Install, modify and repair traffic signals. Perform routine scheduled maintenance of traffic signals and associated equipment. Respond to and repair routine traffic signal malfunctions.

Install, modify and repair street lights and associated equipment. Perform routine and scheduled maintenance on street lights and associated equipment such as: photocells, control panels, lamps, ballasts, starter cards, fuses, hardware, etc. Respond to and repair routine street light malfunctions.

Complete daily work orders and records for new work, repairs, and maintenance.

Pour and finish concrete. Cut, bend, and thread conduits. Install duct or conduit and cables manually or by use of associated equipment.

Wire signal heads. Perform line and pole work relative to installation or maintenance activities.

Assist in setting up work area traffic control.

Perform equipment clean-up and maintenance.

Perform machine traffic counts as assigned. Set down and pick-up traffic counters. Determine appropriate location to get accurate counts. Log and record traffic counts. Maintain and repair electronic and other types of traffic count equipment. Input and retrieve data through a computer.

Assist supervisor in determining traffic count schedules and other program administration decisions.

Perform related work as required.

## QUALIFICATIONS

### Knowledge, Skills and Abilities:

Working knowledge of the installation, operation, and maintenance of electrical, electronic and electro-mechanical equipment, systems, circuits and controls. Working knowledge of the occupational hazards and safety precautions for electrical work. Knowledge of computers and ability to input, store, and retrieve data. Ability to work with databases and learn related specialized software. Ability to repair and operate solid-state electronic equipment. Ability to use the tools, equipment, materials, and other electronic and electrical devices associated with this work. Ability to operate power tools and heavy equipment. Ability to operate commercial motor vehicles equipped with hydraulic crane, auger, and aerial bucket, and while pulling a trailer. Ability to read and interpret maps, schematics, and blueprints. Ability to perform strenuous physical activity and to work in adverse weather and traffic conditions on a daily basis. Ability to lift 100 pounds occasionally and to lift 20-50 pounds regularly. Ability to follow written and oral instructions and communicate effectively both orally and in writing. Ability to maintain routine work records. Ability to maintain effective working relationships. Ability to work evenings and weekends as needed. Ability to work at heights from aerial trucks and ladders. Ability to maintain adequate attendance.

### Training and Experience:

One year of general electrical or electronic repair and relevant maintenance and/or installation work. Such experience would normally follow graduation from a trade or electronics school. Other combinations of training and/or experience which can be demonstrated to result in the possession of the knowledge, skills, and abilities necessary to perform the duties of this position will also be considered.

### Necessary Special Qualifications:

Possession of a Class A Commercial Driver's License with air brake endorsement. The successful candidate will be hired on passing the written portion of the relevant Department of Transportation testing process. Employees will be required to pass the skills portion and obtain the license within six months of hire or will not pass probation/trial period, absent extenuating circumstances.

Certification in CPR or the ability to obtain certification within the probation/trial period. Failure to obtain this certification within the probation/trial period will result in the employee not passing probation/trial period, absent extenuating circumstances.

Employees in this position must be able to lift/carry objects weighing up to 100 pounds on occasion and objects weighing up to 50 pounds on a regular basis. This position requires a high percentage of work outdoors in all types of weather, in high-traffic situations, and at various heights above the ground. In addition, employees must be able to frequently walk, bend, squat, climb, kneel, stoop and lift arms overhead to perform work for extended periods of time.

<b>Department/Division</b>	<b>Comp. Group</b>	<b>Range</b>
Transportation/Traffic Engineering	16	11

Approved: \_\_\_\_\_  
Brad Wirtz  
Human Resources Director  
Date