

CITY OF ROSEVILLE

TRAFFIC SIGNAL MAINTENANCE WORKER I TRAFFIC SIGNAL MAINTENANCE WORKER II

DEFINITION

To perform a variety of maintenance inspections, routine repairs and service work on traffic signals, CMS signs, Flashing Beacons, and related infrastructure.

DISTINGUISHING CHARACTERISTICS

This classification is distinguished from the Electronic Technician series assigned to traffic signals as incumbents will not be performing complex electronic repair work on traffic signal equipment. Typical repairs assigned this class will include replacing street light bulbs; an LED signal indication, air filters and batteries; realignment of signal heads; or replacing an air filter.

Traffic Signal Maintenance Worker I - This is the entry level class in the Traffic Signal Worker series. Positions in this class typically have little or no directly related work experience and perform entry level work under immediate supervision while learning the job tasks. The Traffic Signal Maintenance Worker I class is distinguished from the II level by the performance of less than the full range of multi-skilled duties assigned to the II level. Incumbents work under immediate supervision while learning job tasks, progressing to general supervision as procedures and processes of assigned area of responsibility are learned.

Traffic Signal Maintenance Worker II – This is the journey level class in the Traffic Signal Maintenance Worker series and is distinguished from the I level by the ability to perform the full range of multi-skilled duties assigned with only occasional instruction or assistance as unusual or unique situations arise. Positions in this class are flexibly staffed and are normally filled by advancement from the level I position.

SUPERVISION RECEIVED AND EXERCISED

Traffic Signal Maintenance Worker I

Receives immediate supervision from the Maintenance Supervisor, and receives technical and functional supervision from a Senior Electronics Technician or Electronic Technician.

Traffic Signal Maintenance Worker II

Receives general supervision from the Maintenance Supervisor, and receives technical and functional supervision from a Senior Electronics Technician or Electronic Technician.

EXAMPLES OF ESSENTIAL DUTIES – Duties may include, but not limited to the following:

Conduct preventative maintenance inspections of all traffic signal equipment; assist Electronic Technicians in annual signal inspections and other maintenance/inspection duties as required.

Perform routine repair, inspections and service duties related to a variety of equipment used in the operation of traffic signals and related technologies.

Perform Underground Service Alert (USA) locates for related signal facilities; maintain battery back-up systems for traffic signals and Changeable Message Signs (CMS) including battery replacements and preventative maintenance inspections.

Maintain signal equipment store room; aid in inventory of signal equipment and the recycling of outdated or defective materials.

Perform traffic control duties in a variety of traffic signal maintenance situations; assist Electronic Technicians on repairs and signal equipment outages.

Perform routine mechanical fabrication, welding and machine tool operations as needed to modify basic signal equipment.

Assist in installation and construction of various traffic signal projects; read and interpret blueprints and specifications and perform work accordingly; make rough sketches of work to be performed.

Operate equipment in a safe and efficient manner in a variety of hazardous environments.

Use a computer to enter and retrieve information related to work assignments and record-keeping.

Build and maintain positive working relationships with co-workers, other City employees, and the public using principles of good customer service.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS

Traffic Signal Maintenance Worker I

Knowledge of:

Tools, and equipment used in the maintenance and repair of electrical/electronic equipment.

Basic electrical/electronic troubleshooting principles and practices.

Computer software and mobile applications.

Safe work practices for all aspects of job related functions.

Ability to:

Learn multi-skilled work related to the troubleshooting and repair of mechanical and electrical/electronic equipment as it pertains to traffic signal maintenance.

Learn the operation, preventative maintenance, troubleshooting and repair of traffic signal equipment, CMS signs, battery back-up systems, radar driver feedback signs, and flashing beacons.

Learn the principles of electrical/electronic circuits; maintenance practices; instrumentation; and standard terms of the traffic signal industry and the electrical trades.

On a continuous basis, know and understand operations, and safety rules; identify and locate equipment; interpret work orders; remember equipment locations; and explain jobs to others.

Learn the principles and practices of complex maintenance and repair programs including preventative, and reactive maintenance.

Work safely under emergency and hazardous conditions including high voltages and live vehicle traffic.

Understand and interpret written and oral instructions; communicate clearly and concisely, both verbally and in writing.

Establish and maintain effective working relationships with those contacts in the course of work.

Experience and Training

Experience

No experience is required. Experience in either an electrical or electronic trade is desirable.

AND

Training

Equivalent to completion of the twelfth grade; supplemental course work in electrical or electronic classes is desirable.

License or Certificate

Possession of a valid California driver's license by date of appointment.

Traffic Signal Maintenance Worker II

In addition to the qualifications for the Traffic Signal Maintenance Worker I:

Knowledge of:

Techniques, safety precautions, and work practices required to accomplish effective preventative maintenance inspections and USA locating on traffic signal related equipment and facilities.

Enterprise asset management work order system and material inventory control.

Ability to:

Independently and safely perform USA locating.

Conduct skilled preventative maintenance inspections and assigned repair work on traffic signal equipment and facilities.

Under the supervision of an electronic technician perform assigned electrical/electronic repairs.

Experience and Training

Experience

One year of increasingly responsible experience performing multi-skilled preventative maintenance inspections, USA locating, and traffic signal repair work similar to that of a Traffic Signal Maintenance Worker I with the City of Roseville.

AND

Training

Equivalent to completion of the twelfth grade; supplemental course work in electrical or electronic classes is desirable.

License or Certificate

Possession of a valid California driver's license by date of appointment.

Possession of a valid International Municipal Signal Association (IMSA) Traffic Signal Technician Level I Certificate.

Possession of a valid International Municipal Signal Association (IMSA) Traffic Control Certificate.

09-19-15 Traffic Signal Maintenance Worker I/II