

STREET LIGHT TECHNICIAN I/II

DEFINITION

To perform a variety of skilled maintenance duties involved in the repair, maintenance and inspection of street light systems and components; and to assist in the repair and maintenance of traffic signal systems.

SUPERVISION RECEIVED AND EXERCISED

Receives direction from the Traffic Signal Supervisor.

ESSENTIAL AND OTHER FUNCTION STATEMENTS--*Essential and other important responsibilities and duties may include, but are not limited to, the following:*

Examples of Essential Functions:

Repair, replace and maintain all components of street lights including poles and bases, mast arms, span wires, guy wires, street light fixtures, conduit, junction boxes, and related wiring and circuitry in compliance with state and federal regulations.

Operate a variety of circuit testing and related tools and equipment to perform complex electrical repairs; operate a variety of power and hand tools including drills, electrical and gas chain saws, drill press, wrenches, sockets, pliers, and screwdrivers.

Trouble shoot street light circuits and fixtures; replace defective components.

Operate bucket truck to install, maintain and repair street light systems.

Locate street light and traffic signal wiring for contractors and utility companies; interpret maps and drawings; operate electronic locator.

Review and inspect the work of contractors installing street light systems.

Respond to street lighting emergency repairs and assist with traffic signal emergency repairs as required.

Provide assistance to traffic signal technicians in the repair and maintenance of traffic signals.

Maintain a computerized maintenance records system.

Examples of Other Functions:

Prepare list of materials needed and recommend the purchase of tools and equipment needed for current and future street light operation and maintenance; locate and compile list of vendors and pricing information.

CITY OF VANCOUVER
Street Light Technician (*Continued*)

Examples of Other Functions:

Answer questions and provide information to the public and City employees concerning street light activities.

Perform related duties and responsibilities as required.

QUALIFICATIONS

Knowledge of:

Solid state technology as utilized in street light systems.

Methods, materials and techniques used in the construction of street lighting system construction and maintenance projects.

Operational characteristics of mechanical and hydraulic equipment used in the installation and repair of electrical systems.

Electrical systems repair and preventative maintenance techniques and procedures.

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

Uses and purposes of general construction tools and equipment.

Safe work practices.

Basic principles of mathematics.

Ability to:

Perform skilled maintenance and repair work related to street light systems and components.

Operate a variety of vehicular and stationary mechanical equipment in a safe and effective manner.

Use and operate hand tools, mechanical equipment, and power tools and equipment required for the work in a safe and efficient manner.

Read and interpret electronic and electrical schematics, diagrams, drawings and plans.

Troubleshoot and solve electronic and electrical system defects.

Understand and follow oral and written instructions and sketches.

Ability to:

CITY OF VANCOUVER
Street Light Technician (*Continued*)

Work independently in the absence of supervision.

Use a personal computer and basic software.

Communicate effectively, both orally and in writing.

Establish and maintain cooperative working relationships with those contacted in the course of work.

Experience and Training Guidelines

Any combination of experience and training that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Street Light Technician I

Two years of increasingly responsible experience performing field maintenance duties. One year of responsible experience in the electrical and electronic fields is preferred.

Street Light Technician II

One year of responsible experience repairing and maintaining roadway lighting systems is required. Three years of responsible experience in the electrical and electronic fields is preferred.

Training:

Street Light Technician I & II

Equivalent to the completion of the twelfth grade supplemented by specialized training in the electrical and electronic fields.

License or Certificate

Street Light Technician I

Possession of, or ability to obtain, an appropriate, valid driver's license.

Possession of, or ability to obtain, a class "A" commercial driver's license within three months of hire.

Possession of, or ability to obtain, IMSA Work Zone Safety and Traffic Control certification within one year of hire.

Possession of, or ability to obtain, IMSA Level 1 Roadway Lighting certification within three years of hire.

CITY OF VANCOUVER
Street Light Technician (*Continued*)

License or Certificate

Street Light Technician II

Possession of, or ability to obtain, an appropriate, valid driver's license.

Possession of, or ability to obtain, a class "A" commercial driver's license within three months of hire.

Possession of IMSA Work Zone Safety and Traffic Control certification.

Possession of IMSA Level 1 Roadway Lighting certification.

Special Requirements

Successfully pass a city-paid medical evaluation.

WORKING CONDITIONS

Travel from site to site; exposure to dust and noise; some heavy lifting, standing, climbing; work at heights of 30 to 40 feet; work in traffic; work in inclement weather conditions.

OPERATING PRINCIPLES

Individuals are expected to work in a manner consistent with the City of Vancouver's Operating Principles; specifically: Work and act as a team player in all interactions with other city employees; provide a high level of customer service at all times; project and maintain a positive image with those contacted in the course of work; develop and maintain collaborative and respectful working relationships with team members and others; and, consistently provide quality service.

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