

Salary Schedule	MOU	Benefits
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City of Alameda
Code No. 7789
Approved by CSB
October 6, 2004

STREET LIGHT MAINTENANCE TECHNICIAN

DEFINITION

Under general direction, performs skilled level electronic and electrical work in the installation and repair of street light equipment; and performs other related duties.

EXAMPLES OF DUTIES

1. Installs, relocates and repairs up to 480-volt street light systems.
2. Uses test equipment to locate wiring and to test voltage.
3. Repairs and/or replaces knockdowns; replaces broken and burnt out lamps and cleans lenses, and replaces fixture or ballast and starter as needed.
4. Works on and replaces poles.
5. Frequently works alone at remote locations making critical decisions as to what type of emergency repairs to make to ensure the safe and free flow of traffic.
6. Operates or supervises operation of heavy equipment such as crane truck, lift truck, jack hammer, etc.
7. Investigates complaints and reports of street light malfunctions; adjusts, repairs or removes defective equipment, and makes field repairs of damaged equipment.
8. Performs a variety of electrical preventative maintenance checks to optimize the proper functioning of street light equipment.
9. Prepares and completes accurate work records and orders supplies, parts, and materials.
10. Consults with factory representatives and electrical engineers to identify and resolve technical problems.
11. Surveys all major streets at night to document lighting problems.
12. May be required to respond to after hours emergency conditions.
13. Performs other related duties as required.

EMPLOYMENT STANDARDS

Education/Experience

Any combination equivalent to education and experience likely to provide the required knowledge and abilities. A typical way to obtain the knowledge and abilities would be:

Education: Graduation from high school supplemented by technical/vocational coursework in electronics, electrical maintenance, electrical circuitry and/or mechanics.

Experience: Two years of recent and progressively responsible experience in the maintenance, operation, and repair of electrical and series street light equipment.

Knowledge

Knowledge of maintenance, operation, and repair principles, practices and techniques of electronic and electrical components and circuitry; Uniform Electrical Code and other regulations pertaining to street light systems; problem-solving and troubleshooting to resolve complex electrical, electronic and/or mechanical problems; safe operation and maintenance of hand and power tools, light equipment, heavy motorized equipment, welding and torch equipment; effective lead worker and training techniques; appropriate occupational hazards and standard safety precautions necessary in electrical work.

Ability

Ability to learn and apply the City's policies, practices, and protocols; work independently and make decisions relative to work methods and tools; take the initiative to keep work progressing to completion within prescribed time limits; perform semi-skilled and skilled maintenance, repair, modification, inspection and testing of street lighting systems; safely operate trucks and other motorized equipment; understand and interpret written and oral instructions, including blueprints and wiring diagrams; safely use hand and power tools; perform heavy physical labor; prepare neat and accurate work and inventory records and write reports; make decisions and work in emergency situations, establish and maintain an organized work area; perform basic data entry using personal computers; work occasionally at hazardous heights and underground; lead and assign others in street light maintenance functions; establish and maintain effective working relationships; and exemplify an enthusiastic, resourceful, and

effective customer service attitude with those contacted in the course of work.

Other Requirements

Possession of a valid California Class C Driver's License and a satisfactory driving record, as determined by the City of Alameda. Possession of a California Class A Driver's License with appropriate endorsements is required prior to the completion of the probationary period and satisfactory driving record as a condition of continued employment. Employees in positions requiring a Class A license are subject to provisions of the Department of Transportation's drug and alcohol testing program.

Willingness and ability to work scheduled and emergency overtime, may be asked to work shifts between 7:00am and 11:00pm; be available on call as required; wear/use appropriate safety equipment; work at heights of 25-30 feet, in confined and awkward spaces, and in heavy traffic; work special events as required; and attend meetings, training workshops and seminars during work and non-work hours as required.