

ASSISTANT STREET LIGHTING ELECTRICIAN, 3809
STREET LIGHTING ELECTRICIAN, 3811

Summary of Duties : Assists and/or leads a crew engaged in the construction and repair of electrolier street lighting systems; and does related work.

Distinguishing Features : The work of employees of these classes is distinguished from that of other classes in the electrical field by the fact that it is confined to the area of street lighting. A variety of associated nonelectrical work is performed in addition to the electrical work which is primarily concerned with specialized types of circuits. The work involves exposure to the hazards of traffic, ladder work, crane operations and high voltage street lighting circuits which are occasionally energized while work is in progress.

An Assistant Street Lighting Electrician is the second person on a three-person derrick crew which is assigned a full range of duties required to make electrical and physical repairs to the street lighting system. An employee of this class works under the crew leader when performing more technical or potentially hazardous high voltage electrical work. An Assistant Street Lighting Electrician utilizes skills acquired through previous training and experience to perform routine work with little or no supervision.

A Street Lighting Electrician is a journey-level worker in charge of a derrick crew that normally consists of an Assistant Street Lighting Electrician and an Electrical Craft Helper. Under general supervision, a Street Lighting Electrician leads skilled electrical work in the construction and repair of the street lighting system. An employee of this class is responsible for crew safety and the use of safe work practices. A Street Lighting Electrician is also responsible for work output and crew performance.

Example of Duties : Assistant Street Lighting Electrician : Installs conduits by trenching or hydraulic jacking, pulls cable, wires posts, splices cables, connects transformers and ballasts into circuits, and installs parts on electroliers; locates and repairs electrical failures, including removing damaged cable by pulling with winch or boom, pulling in new cable, and installing new components; tests for grounded and open circuits on underground cables;

Uses templates to install anchor bolts in new foundations; operates power equipment including power hoists, compressors, and pneumatic tools; assists the supervisor in ordering materials and parts for streetlight electroliers; and may do shop work, including assembling and repairing streetlight posts and appurtenant fixtures;

May drive a single axle 31,500 GVW derrick truck; operate a 10,000 lb. capacity derrick; operate an air compressor and related pneumatic equipment; and perform vehicular and special equipment safety checks.

Street Lighting Electrician : Leads and participates in the work of a crew engaged in the testing of street lighting circuits, installation, location, marking, and repair of conduits, removal of damaged cable, pulling new cable, installing and wiring posts, locating and repairing underground trouble on existing electrolier street lighting systems; operates test equipment to locate trouble in circuits; installs and disconnects visa switches; orders materials and keeps records of time, equipment and materials used; supervises excavation and backfilling;

May drive a single axle 31,500 GVW derrick truck; operate a 10,000 lb. capacity derrick; operate an air compressor and related pneumatic equipment; and perform vehicular and special equipment safety checks.

Employees in both classes may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications :

Assistant

Street
Lighting

Electrician

Street
Lighting

Electrician

Knowledges :

Methods, materials, tools, and equipment used in the installation, testing, repair, and modification of street lighting electrolier, protective, control and related equipment;

Good

Good

Hazards of working on energized high-voltage street lighting circuits and equipment;

Good

Good

State and City laws and regulations, principals and practices relating to safety precautions and devices necessary in working on street lighting systems and in the proximity of energized lines and equipment;

Working

Good

Qualifications :

Assistant
Street

Lighting
Electrician

Street

Lighting
Electrician

Knowledges :

Practical application of the princi-

ples of electricity to the various types of circuits and components used in the reconstruction and repair of street lighting systems;	Working	Good
Common sources of trouble in such equipment and devices;	Working	Good
Use of rigging and hoisting equipment and concrete mixing and finishing as applied to post erecting;	Working	Good
Interpretation and analysis of plans and specifications pertaining to the construction, reconstruction, and repair of street lighting systems.	General	Working
Supervisory principles and practices.		Working

Abilities :

Understand and follow written and oral instructions;	X	X
Use electrical trade and other tools and materials skillfully;	X	X
Read and interpret plans, specifications, and wiring diagrams of street lighting work;		X
Lay out work so as to cause the least interference with traffic;		X
Prepare work reports and keep operating records;		X
Deal tactfully and effectively with employees and the public.		X

Two years of full-time paid experience as an Electrical Craft Helper, Assistant Electrical Tester, or in a class which is at least at the level of Maintenance and Construction Helper and which provides experience in electrical or street lighting work is required for Assistant Street Lighting Electrician.

Two years of full-time paid experience as an Assistant Street Lighting Electrician, Line Maintenance Assistant, or in a class which is at least at that level and which provides experience in the construction, repair, or maintenance of high-voltage circuits is required for Street Lighting Electrician.

License : A valid California driver's license is required. For both classes - A valid Hydro Crane (limited) Equipment Operator License issued by the Los Angeles City Department of Building and Safety must be presented before completion of the six-month probationary period.

Physical Requirements : Strength to perform average lifting up to 70 pounds and occasionally over 70 pounds; body agility and equilibrium involved in activities such as climbing and balancing under precarious conditions; arm, hand and finger dexterity with both hands involved in activities such as reaching, handling, and feeling; and good eyesight.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in these classes. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what all of the duties and responsibilities of any position shall be.