

CLASS SPECIFICATION

SAN DIEGO CITY CIVIL SERVICE COMMISSION

STREET LIGHTING ELECTRICIAN - 1497

DEFINITION:

Under general supervision, to install, modify, service, maintain, and repair street lighting systems, electrical wiring, and equipment; to participate in the construction and repair of street lighting systems; and to perform related work.

DISTINGUISHING CHARACTERISTICS:

The classification is distinguished from the Electrician classification in the level of skill associated with working with medium and high voltage electrical wires/cables related to street lights. Street Lighting Electricians are responsible for working in underground spaces and considerable heights while operating aerial lift equipment and vehicles.

*** EXAMPLES OF DUTIES:**

- Installs, tests, repairs, and replaces conduits, ducts, transformers, electrical and electronic circuits, 2400 volt series circuits, wires, high and low voltage cables, and communication cables;
- Installs and maintains varied electronic equipment such as building and street lighting systems, motors, heating and ventilating wiring systems, panel boards, programmable logic controllers, airport lighting, primary electrical systems, fire alarms, traffic signals, street lighting, underground electrical systems, light poles, variable frequency drives, and general flood lighting;
- Clears debris from damaged high voltage street lighting outside circuits and traffic signals and effects all repairs necessary to restore normal service;
- Reads blueprints and plans of electrical installations;
- Salvages materials and parts from used equipment;
- Builds special electrical equipment and apparatus;
- Locates underground utilities;
- Constructs and repairs decorative lighting;
- Splices cable;
- Makes estimates and keeps records of costs;
- Requisitions materials;
- Assists in training and leading the work of apprentices and other assigned personnel;
- Drives assigned vehicles to include operating bucket trucks and aerial lifts;
- Coordinates with various utility agencies and electrical companies;
- Conducts work within the public right-of-way and sets-up traffic control patterns for projects;
- Responds to inquiries from residents and the public regarding field work activities.

* **EXAMPLES OF DUTIES** performed by employees in this class. The list may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.

MINIMUM QUALIFICATIONS:

Please note: the minimum qualifications stated below are a guide for determining the education, training, experience, special skills, and/or license which may be required for employment in the class. These are re-evaluated each time the position is opened for recruitment. Please refer to the most recent Job Announcement for updated minimum qualifications: <https://www.governmentjobs.com/careers/sandiego/classspecs>.

Successful completion of a State accredited four-year or five-year Electrician Apprenticeship Program; **OR** five years of full-time experience in all phases of work as a journey-level Electrician which must include one year of experience maintaining and replacing street lighting systems. Qualifying experience must include one of the following: commercial or industrial wiring, installation, and repair of electrical conduit systems within the public right-of-way, or commissioning newly constructed street lighting systems. A Crane Operator Certification issued by the National Commission for the Certification of Crane Operators (NCCCO) or equivalent organization recognized by OSHA (Occupational Safety and Health Administration) and accredited by the National Commission for Certifying Agencies (NCCA) or the American National Standards Institute (ANSI) is required. A valid California Class B Driver License, AND a valid California Department of Motor Vehicles (DMV) medical certificate are required.