

STREETLIGHT WORKER

JOB DESCRIPTION

Classification Responsibilities: Under direct supervision, learns to perform semiskilled work in the installation, maintenance, and repair of streetlights; performs related work as required.

Distinguishing Features: Under the direct supervision of a journey-level Streetlight Technician I or Streetlight Technician II, an employee in this class maintains, installs, and repairs streetlight equipment and systems. Initially, employees work under close supervision, until such time as skills and knowledge required to perform the job have increased to a level where employees are able to work more independently. Work is physically strenuous and the incumbent is exposed to varying climatic conditions, as well as working at heights of approximately 40 - 50 feet. Employees must be physically fit for bending, stooping, stretching, lifting, and carrying equipment and materials. Employees learn to work with the hazardous conditions which are an extremely critical factor of this job, working on fixtures up to 600 volts and in proximity to primary voltage. Employees in this class are subject to 24-hour call-out for emergencies. Employees are required to learn and use appropriate safety procedures and equipment in completing assigned duties. Employees of this classification may progress by non-competitive promotion to Streetlight Technician I upon meeting the specific criteria-based promotion requirements of performance and coursework. This class is FLSA nonexempt.

QUALIFICATIONS

Minimum Qualifications Required. Any combination of training, education, or experience equivalent to some (6 months - 1 year) experience in electrical or related work.

Special Requirements. Must possess a valid Arizona Class B Commercial Driver's License (CDL) Instructional Permit within 120 days of hire date. The skills demonstration portion of the CDL test must be completed within 12 months of hire date and will be administered by a City of Mesa Third Party Tester.

Substance Abuse Testing. This class is subject to DOT Federal Motor Carrier Safety Administration (FMCSA) drug and alcohol testing as outlined in 49 Code of Federal Regulations (CFR) Part 382.

Preferred/Desirable Qualifications. Graduation from high school or GED is preferred. International Municipal Signal Association (IMSA) Work Zone Traffic Control Certification is highly desirable. Construction or public works maintenance experience is desirable.

ESSENTIAL FUNCTIONS

Communication: Communicates with the general public, other City employees, vendors, management, and contractors in order to explain and understand procedures, ask and clearly understand questions, answers, and give and receive instructions. Prepares written documents, including streetlight work reports and daily time reports, with clearly organized thoughts and using proper sentence construction, punctuation, and grammar, in order to accurately explain type and amount of work completed or needed.

Manual/Physical: Inspects, monitors, and evaluates work-related conditions, such as streetlight equipment and vehicles to determine compliance with operating and safety procedures, and Mesa Standard Details and Specifications. Operates boom/auger truck, bucket truck, platform truck or dump truck requiring a valid Arizona Class B CDL to elevate, dig foundations, lift poles, and haul dirt or rock. Operates power-driven machinery, such as a jackhammer, tamper, cement mixer, backhoe, generator, and trencher to install or repair streetlight equipment. Uses common hand tools such as a hammer, wire stripper, multi-meter, voltage test to construct and maintain streetlight equipment. Installs and/or replaces filters, lamps, photocells and other equipment to adjust, install, and maintain streetlight equipment. Perceives the full-range of the color spectrum to select and splice wires and cables for proper streetlight operation. Detects traffic sounds when working near moving traffic, backup warning signal devices when working around moving equipment, sirens, and calls for help. Moves material, such as lamps, luminaires, poles and photocells from one place to another using trucks, crane, forklift or bucket truck. Digs up the ground using a pick, shovel, spade, or digging bar to install foundations, pull boxes, cabinet pads, or poles. Moves objects such as lamps, locating equipment, or pull boxes weighing up to 90 pounds for a distance of 30 feet using a cart or other aid to assist. Cleans work area and equipment, such as trucks, trailers, or trenchers. Works with cleaning fluids, pesticides, insecticides, paints and graffiti remover using normal, routine protective equipment to clean and protect streetlight equipment. Sets up and removes barricades and traffic cones to maintain a safe working environment. Works in a variety of weather conditions while performing various construction and maintenance activities. Works in small cramped areas while performing maintenance, repair of conduit in trenches and holes, and while working on luminaires by way of a one or two man bucket truck. Works at elevated levels (maximum height of 60 feet) while performing installations and repairs of luminaires (lamp and photocell replacement), poles, overhead conductors, and trimming trees. Meets scheduling and attendance requirements.

Mental: Comprehends and makes inferences from written material. Understands and interprets blueprints, schematic drawings, and layouts to correctly install streetlight equipment. Learns job-related material through on-the-job training regarding streetlight installation and repair.

Knowledge and Abilities:

Knowledge of:

occupational hazards and safety precautions of the electrical trade (basic knowledge); and basic electrical theory.

Ability to:

work with and assist journey-level Streetlight Technicians by providing tools and materials for assignments to be completed;
learn to read and understand diagrams, sketches, and drawings associated with streetlight maintenance;
assist in the installation, maintenance, and repair of streetlights and related equipment;
perform the less difficult and routine installations;
perform painting and tree trimming duties;
replace lamps, install conduit, wire, and cable;
learn to operate aerial lift equipment to heights of 60 feet;

learn and follow procedures identified in the City Traffic Barricade Manual;
perform heavy manual labor under varying weather conditions;
understand and follow verbal and written instructions; and
establish and maintain effective working relationships with management and coworkers.

The duties listed above are intended only as general illustrations of the various types of work that may be performed. Specific statements of duties not included does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Job descriptions are subject to change by the City as the needs of the City and requirements of the job change.

Revised to Update Industrial Code 1/15

PK/hn/fl

CS3739.DOC

PAY GRADE: 42

EEO-Tech

NDOT SAFETY-No

SECURITY-No

NDOT RANDOM-No

DOT SAFETY-FMCSA

CDL-Yes

RESP-No

IND-6325

JOB FCTN-TEC

SWORN-No

INCREMENTS 81-200