

## **STREETLIGHT TECHNICIAN II**

### **JOB DESCRIPTION**

**Classification Responsibilities:** Under general supervision, the Streetlight Technician II supervises the activities of staff involved in construction, maintenance, and repair of residential and arterial streetlights; plans, organizes, and assigns daily workload; maintains appropriate logs/records; and performs related duties as required.

**Distinguishing Features:** An employee of this class provides field supervision over, and participates in, the installation, maintenance, and repair of arterial and residential streetlights. Hazards include working in close proximity of, and adjacent to, primary high voltage lines. The Streetlight Technician II serves as the on-site technical resource for Streetlight Technicians and Contract Specialists. Additionally, this class performs the bulk of the inspections of the simpler projects of private streetlight contractors and is responsible for specialty lighting including, but not limited to, solar, fluorescent and pathway lighting, and the downtown holiday/event lighting system. The Streetlight Technician II assists and provides technical expertise with such things as moving a streetlight or a streetlight plan review. The incumbent is subject to stand-by and call-out during off-duty hours. This class is supervised by the Streetlight Foreman. This class is FLSA nonexempt.

### **QUALIFICATIONS**

**Employee Values:** All employees of the City of Mesa are expected to uphold and exhibit the City's shared employee values of Knowledge, Respect, and Integrity.

**Minimum Qualifications Required.** Any combination of training, education, and experience equivalent to graduation from high school or GED. Extensive (5+ years) experience in the installation and maintenance of high intensity discharge (HID) lighting.

**Special Requirements.** Must possess a valid Arizona Class B Commercial Driver's License (CDL) or Commercial Learner's Permit (CLP) by hire date. CLP holders must successfully complete the City's Entry Level Driver (ELD) training program, the Third Party Examiner (TPE) administered skills (driving) test, and obtain a valid Arizona Class B CDL within 150 days of hire or promotion date. Must obtain an air brake endorsement within six months after hire date. Must obtain an International Municipal Signal Association (IMSA) Work Zone Traffic Control Certification (or approved equal) within one year after hire date. Must live within a 20-mile radius of the intersection of Main Street and Greenfield Road within one year of hire date, and must maintain this residency for the duration in the position.

**Substance Abuse Testing.** This class is subject to Department of Transportation (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.** Supplemental coursework in electricity and supervision is preferred. Completion of an electrical apprenticeship and possession of a journeyman's card are highly

desirable. Previous supervisory experience is preferred. Computer knowledge including Word, Outlook, and Excel is desirable.

## **ESSENTIAL FUNCTIONS**

**Communication:** Communicates with the general public, other City employees, vendors, management, and contractors in order to assist in the understanding of streetlight maintenance and to ensure City standards are met. Instructs and trains subordinates regarding upgrades in new equipment. Prepares written memos or instructions with clearly organized thoughts in order to explain operational procedures.

**Manual/Physical:** Reviews the work products of others to ensure compliance with standard operating procedures, state regulations, (example: Arizona Department of Transportation [ADOT], or other standards and guidelines such as the City's streetlighting guidelines). Inspects, monitors, and evaluates new streetlight construction information to determine compliance with prescribed operating, safety, or City of Mesa's Standard Details. Distinguishes colors when working with electrical wires. Detects natural gas leaks, toxic gases, smoke, or other hazardous materials on construction sites. Detects traffic sounds when working near moving traffic, backup warning devices when working around moving equipment, sirens, calls for help, or other warning signs when working in roadways. Operates a 50 ft. bucket truck requiring a valid Arizona Class B CDL to perform streetlight maintenance. Operates a pickup truck requiring a standard Arizona Driver's License to perform streetlight maintenance. Operates power-driven machinery such as a jackhammer or tamper to perform streetlight repairs. Uses common hand tools such as a hammer, saw, or screwdriver to perform streetlight maintenance. Operates a variety of standard office equipment such as a fax and copier to prepare documents, order parts, etc. Prepares and updates streetlight maps and work schedules. Digs up ground using a pick, shovel, spade, or other tools to repair streetlight circuits. Pulls boxes and concrete bags weighing up to 90 lbs. with a cart or other aid to assist for distances of up to 50 ft. to perform streetlight repairs. Works with cleaning fluids and agents, chemicals, and paints using normal protective equipment to clean and paint streetlight equipment. Sets up barricades and traffic cones to perform traffic control functions. Works in a variety of weather conditions while performing streetlight maintenance activities. Works in small, cramped areas while performing cabinet maintenance. Works at elevated levels (50 ft.) while performing streetlight maintenance. Meets scheduling and attendance requirements.

**Mental:** Plans, organizes, and directs the activities of construction projects and routine maintenance. Supervises and evaluates the work of subordinate personnel such as maintenance, installation, and troubleshooting streetlight malfunctions. Prioritizes and assigns work to personnel and prioritizes streetlight maintenance work. Develops streetlight procedures. Comprehends and makes inferences from streetlight blueprints to troubleshoot and construct streetlight installations. Understands and interprets blueprints, schematic drawings, or layouts to repair and install streetlights. Develops plans and submits applications for temporary traffic control permits.

**Knowledge and Abilities:**

Knowledge of:

the methods, materials, and equipment used in the installation and maintenance of lighting systems; the occupational hazards and safety precautions of the trade; and electrical theory.

Ability to:

assign individual employees to work projects and outline work to be done;  
review work in progress and upon completion to ensure compliance with plans and directives;  
instruct and give technical advice to Streetlight Technicians;  
participate in hiring, firing, initiating disciplinary actions, and conducting performance appraisals;  
locate and mark underground streetlight conductors by using a ground fault locator and line locator;  
complete daily crew time and equipment usage reports;  
issue materials to private contractors;  
explain and advise contractors of City streetlight specifications;  
inspect the work of private contractors in progress and upon completion to ensure compliance with plans and specifications;  
read construction drawings and standard drawings for the installation of streetlights;  
determine the equipment, tools, manpower, and materials needed to complete assigned projects;  
perform skilled work in the installation, repair, and maintenance of streetlights;  
operate auger/boom truck to dig holes for new pole bases or direct burial poles, and to lift and place or remove streetlight poles;  
ensure the use of precautionary work methods and safety equipment in working with electrical hazards;  
learn the policies and procedures of the Transportation Department;  
work in all types of weather;  
work above the ground on an elevated platform of up to 50 ft. in height;  
perform all physical requirements to the class; and  
establish and maintain effective working relationships with management, subordinates, coworkers, contractors, and the general public.

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.

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EEO-Tech

JOB FCTN-TEC

INCREMENTS 63-200

PAY GRADE: 48

IND-6325

SWORN-No