



Code: 5086

Family: Construction, Maintenance, and Skilled Labor

Service: Operation and Construction

Group: Electrical and Mechanical

Series: Electrical Construction and Maintenance

CLASS TITLE: STREET LIGHT REPAIR WORKER

CHARACTERISTICS OF THE CLASS

Under supervision, performs aerial and underground electrical installations and repairs for street lighting circuits, and performs related duties as required

ESSENTIAL DUTIES

- Examines wiring diagrams, circuit blueprints, and cable prints of public street lights to determine existing electrical configurations
- Locates and identifies defects in cables and wires using electrical measuring equipment (e.g., battery test circuits, amp meters)
- Determines necessary repairs and prepares estimates for needed materials and equipment
- Adjusts and replaces timing devices and energizes timing circuits
- Removes and replaces damaged electrical wires, light poles, pole arms, and ornamental fixtures
- Installs new parts to replace malfunctioning equipment (e.g., bulbs, fuses, relays, photo eyes)
- Installs and repairs alley lights
- Prepares work activity reports

NOTE: *The list of essential duties is not intended to be inclusive; there may be other duties that are essential to particular positions within the class.*

MINIMUM QUALIFICATIONS

Education, Training, and Experience

- Successful completion of a US department of Labor registered lineman apprenticeship training program and journeyman status; or an equivalent combination of education, training, and experience

Licensure, Certification, or Other Qualifications

- A valid State of Illinois driver's license is required

WORKING CONDITIONS

- Exposure to outdoor weather conditions
- Exposure to hazardous conditions (e.g., traffic)
- Work performed in cramped or confined locations
- Work performed above or below ground level
- Work performed using scaffolds and ladders
- Work performed at great heights with the use of safety belts

EQUIPMENT

- Hand tools (e.g., hammer, screwdriver, wrench, pliers)
- Electrical testing and monitoring equipment (e.g., amp meter, stray voltage meter)
- Measuring tools (e.g., tape measure, ruler, calipers, measuring wheel)

- Personal protective equipment (e.g., hard hat, shoes, glasses, gloves, vest, pads)
- Safety devices or equipment (e.g., cones, barricades, metal plates, scaffolding, ropes)
- Ladders
- Communication equipment (e.g., two-way radio, dispatch equipment, multi-channel system)

PHYSICAL REQUIREMENTS

- Substantial lifting (up to 50 pounds) is required
- Ability to stand and walk for extended or continuous periods of time
- Ability to quickly bend, stretch, twist, or reach out with one's body, arms, and/or legs
- Ability to climb staircases, ladders, and/or step stools
- Ability to access difficult to enter spaces (e.g., field equipment, cramped quarters)
- Ability to operate applicable hand tools, power tools, and equipment
- Ability to tolerate heights while working

KNOWLEDGE, SKILLS, ABILITIES, AND OTHER WORK REQUIREMENTS**Knowledge**

Moderate knowledge of:

- *repair and maintenance practices and procedures applicable to the lineman/electrical trade
- *fundamental principles of electricity
- *use of safety equipment and protective gear
- *applicable test instruments and hand and power tools
- *applicable safety and code standards specific to the lineman trade
- work procedures used in the repair and installation of street light systems

Knowledge of applicable City and department policies, procedures, rules, regulations, and ordinances

Skills

- *ACTIVE LEARNING - Understand the implications of new information for both current and future problem-solving and decision-making
- *ACTIVE LISTENING - Give full attention to what other people are saying, taking time to understand the points being made, ask questions as appropriate, and not interrupt at inappropriate times
- *CRITICAL THINKING - Use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems
- *EQUIPMENT SELECTION - Determine the kind of tools and equipment needed to do a job
- INSTALLATION - Install equipment, machines, wiring, or programs to meet specifications
- REPAIRING - Repair machines or systems using the needed tools
- TROUBLESHOOTING - Determine causes of operating errors and decide what to do about it

Abilities

- COMPREHEND ORAL INFORMATION - Listen to and understand information and ideas presented through spoken words and sentences
- SPEAK - Communicate information and ideas in speaking so others will understand
- COMPREHEND WRITTEN INFORMATION - Read and understand information and ideas presented in writing
- REASON TO SOLVE PROBLEMS - Apply general rules to specific problems to produce answers that make sense
- RECOGNIZE SPATIAL ORIENTATION - Know one's location in relation to the environment or to know where other objects are in relation to one's self

Other Work Requirements

- INITIATIVE - Demonstrate willingness to take on job challenges
- STAMINA - Demonstrate energy and stamina to accomplish work tasks
- DEPENDABILITY - Demonstrate reliability, responsibility, and dependability and fulfill obligations
- ATTENTION TO DETAIL - Pay careful attention to detail and thoroughness in completing work tasks

All employees of the City of Chicago must demonstrate commitment to and compliance with applicable state and federal laws, and City ordinances and rules; the City's Ethics standards; and other City policies and procedures.

The City of Chicago will consider equivalent foreign degrees, accreditations, and credentials in evaluating qualifications.

* May be required at entry.

City of Chicago
Department of Human Resources

August, 2010