



ELECTRICIAN II

DEPARTMENT OF PUBLIC SERVICES/PUBLIC WORKS & FACILITIES DIVISION

GRADE 14

CHARACTERISTICS OF THE CLASS:

Under close supervision of the Public Works & Facilities Superintendent or designee, performs skilled work at a journey-level in the installation, repair and maintenance of wiring systems, motorized electrical systems, lighting fixtures, security devices, generators, compressors and related electrical equipment. Duties involve an element of personal danger and occasional exposure to hazardous working conditions. Work is performed independently and in accordance with generally accepted electrical standards and codes and is subject to inspection by a skilled supervisor while in progress and upon completion.

EXAMPLES OF ESSENTIAL FUNCTIONS:

1. Tests electrical equipment utilizing voltmeters, ammeters, power-factor meters and frequency meters.
2. Installs, maintains and repairs interior lights, flood lights, streetlights, ornamental lights and specialized lighting systems.
3. Installs, maintains, repairs and tests wiring systems, electrical appliances, motors, generators, security devices, and compressors.
4. Wires new construction and rewires existing structures; completes temporary wiring for special events.
5. Installs poles, luminaries, arms, overhead cables, pipes, switches and underground conduit-cables.
6. Prepares and maintains work records and reports.
7. Performs safety inspections and general electrical repairs to lift stations and related equipment.
8. Provides trouble shooting for electrical problems.
9. Assists other skilled trades workers in the maintenance and repair of buildings, municipal properties and equipment.
10. Maintains safety and operation of vehicle and equipment; changes and adds fluids; reports major repairs to proper department.

NOTE:

The examples of essential functions as listed in this classification specification are not necessarily descriptive of any one position in the class. The omission of an essential function of work does not preclude management from assigning duties not listed herein if such functions are a logical assignment of the position.

REQUIREMENTS:

A. Training and Experience:

High School Diploma or GED; supplemented by three (3) years of experience in the installation and maintenance of electrical systems at the Journey level; or an equivalent combination of training and experience. Must possess a valid State of Florida class "B" commercial driver's license with air brakes.

B. Knowledge, Abilities and Skills:

Knowledge of electric and electronic theory and practice regarding installation and maintenance of electrical facilities.

Knowledge of the standard practices, materials and tools of the electrical trade.

Knowledge of the hazards involved in the electrical trade and of appropriate precautionary measures.

Knowledge of three phase electrical systems and controls.

Ability to follow oral and written instructions.

Ability to work from electrical diagrams and blueprints.

Skill in locating and adjusting defects in electrical systems.

Skill in the use of testing equipment and equipment utilized in the repairing of electrical facilities.

C. Physical Requirements: 6

D. Environmental Requirements: 4

E. Sensory Requirements: 2, 3, 5, 8, 9