

## **TRAFFIC SIGNAL TECHNICIAN I**

### **MAJOR FUNCTION**

This is an entry level position responsible for supporting skilled staff in the installation, maintenance and repair of traffic signals and related devices.

### **ESSENTIAL FUNCTIONS**

The following statements describe the principal functions of this job and its scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including working in other functional areas to cover absences or relief, to equalize peak work periods, or otherwise to balance the work load.

- Assists in the installation and maintenance of analog, digital, and micro-processor traffic control devices, including traffic signals, school flashers, and four-way flashers.
- Investigates complaints pertaining to defective traffic signal devices and initiates the appropriate corrective measures under general supervision. Assists in the handling of complaints and inquiries from the general public and other persons, either by phone or in person.
- Assists in preventive maintenance on all traffic signal devices.
- Maintains records pertinent to the installation and repair of equipment for which responsible.
- Programs signal controllers and school flashers with prescribed timings. Replaces bulbs in traffic signal heads.
- Required to report to work at the appointed hour, as scheduled, and to work the entire assigned schedule.

### **SECONDARY FUNCTIONS**

- Assists with special projects and other related work as required.
- Performs other duties as assigned.

### **CUSTOMER SERVICE**

This is a front-line position for providing excellent customer service to members of the general public and other County employees. Personal contact occurs with other employees of the unit, employees of other departments in the County, citizens, and customers of the department. Service is provided in person.

### **SUPERVISION**

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This position has no supervisory responsibilities.

**EDUCATION, EXPERIENCE, LICENSES. CERTIFICATIONS**

**Education and Experience.**

High School graduate with 2 years of experience in electronics and electric circuits, or an equivalent combination of training and experience. Experience in traffic control signal maintenance and or installation desirable, but not required.

**Licenses.**

Possession of a valid class C-CDL Florida Driver License.

**Certifications.**

Certification as Level I Traffic Signal Technician from the International Municipal Signal Association, or ability to become certified within one year of assignment.

**JOB SKILLS**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements are representative of the required knowledge, skills, and abilities.

**Language Skills**

- Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals.
- Ability to write routine reports and correspondence.
- Ability to speak effectively before customers or employees of organization.

**Mathematical Skills**

- Ability to calculate figures and amounts such as discounts, interest, commissions, proportions, percentages, area, circumference, and volume.
- Ability to apply concepts of basic algebra and geometry.

**Problem Solving Ability**

- Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form.
- Ability to deal with problems involving several concrete variables in standardized situations.

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- Requires judgment regarding use of equipment, tools or material.

**Specialized Skills and Abilities**

- Experience in traffic control signal maintenance or installation desirable.
- Knowledge of the standard practices, methods, tool, and materials of the electrical trade. Knowledge of the hazards and safety precautions of the trade.
- Ability to interpret electrical diagrams and blueprints.
- Ability to communicate effectively and tactfully with members of the general public.
- Ability to apply acute attention to detail.
- Ability to remain calm in stressful situations.
- Ability to take a teamwork approach to the job by cooperating with others, offering to help others when needed, and considering larger organization or team goals rather than individual concerns. Includes the ability to build a constructive team spirit where team members are committed to the goals and objectives of the team.

**Machines and Equipment**

To accomplish the tasks of this position, the employee will be required to operate a bucket truck, fork lift, soldering machine, post-hole digger, measuring instruments, various hand and power tools, multimeter, hoist, telephone, copy machine, computer, and specialized traffic signal equipment.

**PHYSICAL DEMANDS**

While performing the duties of this job, the employee will regularly be required to climb, balance, kneel, crouch, crawl, and lift up to fifty pounds; and will frequently be required to stand, sit, use hands to finger, handle, feel, talk and hear. Vision requirements are close, distance, color, and peripheral vision, and depth perception.

**WORK ENVIRONMENT**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee will frequently be exposed to moving mechanical parts, high precarious placed, fumes or airborne particles, outdoor weather conditions, risk of electrical shock, and vibration. The noise level for this position is loud.

Established: 10/99	Category: 3
Pay grade: 8	Status: NE
Job Description Number: 3127	Revised: 6/2003

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