

## **TRAFFIC SIGNAL TECHNICIAN III**

### **MAJOR FUNCTION**

This is a highly skilled position responsible for the installation, maintenance and repair of traffic signals and related devices. This work is performed under the general supervision of a signal supervisor; however, employees of this level are expected to use independent judgment and initiative in the performance of work.

### **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.

- Installs, repairs, and maintains electronic traffic control devices, including all traffic signals, school flashers, and four-way flashers.
- Performs preventive maintenance on all traffic signal controllers and devices.
- Tests traffic signal controllers on a testing board; replaces worn or defective units; adjusts timing to charts, wiring diagram, plan specifications, and construction cost estimates.
- Troubleshoots digital and analog circuits, timing circuits, power supplies, clock circuits, and timers. Performs electronic bench repairs of solid state, electro-mechanical, and micro-processor traffic control devices.
- Investigates complaints and initiates the appropriate corrective measures. Handles complaints and inquiries as needed.
- Participates in the supervision and training of subordinate staff.
- Maintains records pertinent to repair and care of controls equipment.
- Ascertains by way of inspection that any and all work, either in-house or contract, is done in accordance with applicable rules, regulations, and specifications.
- Keeps records and reports of all equipment, materials, and trouble calls as needed.
- Required to report to work at the appointed hour, as scheduled, and to work the entire assigned schedule.

### **SECONDARY FUNCTIONS**

- Performs other duties as assigned.

### **CUSTOMER SERVICE**

## **TRAFFIC SIGNAL TECHNICIAN III**

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**

Officially designated as a supervisor over one or more employees in the Traffic Signal Section. Provides continual work guidance, review of work product, and resolution of work problems. Does all paperwork including all performance evaluations.

### **EDUCATION, EXPERIENCE, LICENSES. CERTIFICATIONS**

#### **Education and Experience.**

Associate degree in electricity or electronics with 6 years experience in the Traffic Signal Maintenance field, extensive experience in electrical/electronic field, and Traffic Signal repairs, verifiable bench repairs on traffic signal devices, with 3 years as lead worker or supervisor; and/or an equivalent combination of training and experience.

#### **Licenses.**

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

#### **Certifications.**

Certification as Level III 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,

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

**Specialized Skills and Abilities**

- Experience in traffic control signal maintenance or installation.
- Knowledge of the standard practices, methods, tool, and materials of the electrical trade. Knowledge of the hazards and safety precautions of the trade.
- Skill in the effective use and operation of tools and equipment of the trade.
- Can explain records, procedures to others as a lead worker.
- 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,

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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: 14	Status: NE
Job Description Number: 3125	Revised: 6/2003