

TRAFFIC SIGNAL TECHNICIAN, LEAD

Job Code	Pay Grade
16550	CL15

Nature of Work

This is technical lead work in the installation, maintenance and repair of computerized traffic signal systems and control equipment. Employees in this class are responsible for leading, scheduling and directing traffic signalization projects or complex bench repair work and the inspection, maintenance and repair of traffic signal systems and components and county drawbridges. Work requires the exercise of independent judgment and initiative in the application of traffic signalization construction practices and procedures.

Minimum Qualification Requirements

- Possession and maintenance of an International Municipal Signal Association (IMSA) Level II Certification and 4 years of electronics repair experience that includes 2 years in traffic signal equipment; or
- Possession and maintenance of an IMSA Level II Certification and completion of a 2 year vocational or technical school program with a diploma or certification in a directly related field and 2 years traffic signal experience; or
- An equivalent combination of education, training and/or experience.

Appointing Authority May Also Require

- Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Possession and Maintenance of an IMSA, Level III Certification if assigned to bench repair.
- Other highly desirable knowledge, skills, abilities, and credentials relevant to a position.

Illustrative Tasks (These are examples and are not all inclusive.)

- Provides lead work in the installation, maintenance, repair, trouble-shooting and modification of electrical and electro-mechanical traffic signal devices and limited street lighting and prepares and submits as-built construction drawings.
- Provides lead work in the design and modification of control and test devices for trouble-shooting signal equipment, analyzes difficult circuit and interconnection problems with master controls and makes repairs as needed.
- Provides lead work in performing complex bench work in the repair, rebuild, modification and programming of electric, electronic and electro-mechanical equipment, down to the component level.
- Inspects traffic signal construction for accuracy, completeness and conformance to prescribed standards of quality and safety.
- Provides routine and emergency electrical and mechanical maintenance services for county drawbridge operations.
- May participate in emergency field repairs as required.
- Performs related work as assigned or required.

Knowledge, Skills, and Abilities

- Knowledge of the principles and practices of electronics and electricity.
- Knowledge of methods, practices, techniques, materials, tools and equipment pertinent to installation, maintenance and repair of electronic and electro-mechanical traffic signal systems and controls.
- Knowledge of the principles, practices, methods, materials, equipment and tools used in the construction of traffic signal control intersections and installation of traffic signals, control equipment, electrical lines and interconnect systems.
- Knowledge of occupational hazards and appropriate safety precautions.
- Skill in use of electronic, electrical and electro-mechanical testing devices, repair tools and equipment.

TRAFFIC SIGNAL TECHNICIAN, LEAD (continued)

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- Ability to read, create and work from plans and schematics and detect defects, make repairs and perform maintenance on electronic, electrical and electro-mechanical devices and equipment.
- Ability to keep accurate records, prepare and submit clear and accurate reports and plan and supervise the work of others.
- Ability to withstand exposure to varying weather conditions and work in confined spaces and at considerable heights, and possession of sufficient physical strength and agility to lift and carry heavy objects and stand and walk for long periods.

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Revised	EEOC Code	Overtime Code
9/15	Technicians	Classified