

TRAFFIC SIGNAL TECHNICIAN, SENIOR

Job Code	Pay Grade
16540	CL13

Nature of Work

This is specialized technical work in the installation, repair, maintenance or operation of computerized traffic signal systems and related apparatus. Employees in this class perform in accordance with standard practices and assignments may be accompanied by sketches, blueprints or schematics, with work also arising out of inspections and troubleshooting. Duties include serving as a crew leader with subordinate or equal level technicians. Work is ordinarily performed independently and supervision is routinely exercised on projects or independent bench work or computerized signal system monitoring and operation is assigned with equal complexity. An incumbent may continue to perform Traffic Signal Technician, Senior functions for an indefinite time or non-competitively advance to Traffic Signal Technician, Lead at the discretion of the appointing authority

Minimum Qualification Requirements

- 3 years of 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 Class B with air brakes and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Candidate to demonstrate more advanced proficiency, competency, and satisfactory completion of regularly assigned work in an independent manner. Appointing Authority retains discretion to employ an incumbent at this level or advance the incumbent non-competitively or competitively, after a candidate meets the minimum qualifications to an in-line career ladder position within the same organization or department.
- Work zone traffic control International Municipal Signal Association (IMSA) Level I Signal Certification at the time of appointment.
- IMSA, Level II Signal Certification.
- Other highly desirable knowledge, skills, abilities, and credentials relevant to a position.

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

- Performs work required to install new traffic signals and systems including signal heads, detectors, microprocessor based controllers, wiring and support poles.
- Performs bench work repairs, overhauling and rebuilding complex electronic or electrical equipment and components.
- Performs emergency and routine field servicing of complex traffic signal equipment, street lights, navigational lights and drawbridge apparatus, often operating or working from an aerial bucket truck.
- Insures compliance with the national Manual of Uniform Traffic Control Devices and IMSA practices.
- Calculates lead times on equipment repairs and requests materials, supplies or manpower as required and maintains related records and logs of section activities.
- Operates and performs preventive maintenance on machinery and automotive equipment including lift or boom truck and jack and bore equipment.
- Uses hand, bench and small power tools and test equipment in repair of electronic, electrical and mechanical machinery and equipment.
- Maintains and reports inventory balances of critical parts.
- Serves as lead worker on a crew of technicians.
- Performs related work as assigned or required.

TRAFFIC SIGNAL TECHNICIAN, SENIOR (continued)

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Knowledge, Skills, and Abilities

- Knowledge of standard practices, materials, tools, and equipment used in traffic signal installation, repair and maintenance.
- Knowledge of local and national electrical codes, occupational hazards and appropriate safety precautions.
- Knowledge of personal computer and mainframe operation, programming and debugging.
- Knowledge of supervisory techniques, report writing and evaluation process.
- Skill in the use and care of standard electronic and electrical testing equipment and devices.
- Skill in the operation of computerized traffic signal systems including signal and progression timing, controller operation and programming.
- Skill in the application of CPR and First Aide techniques.
- Ability to interpret and work from technical sketches and blueprints.
- Ability to locate, define and repair defects in traffic signal equipment.
- 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.

For official use only

Revised	EEOC Code	Overtime Code
9/13	Technicians	Classified