

TRANSPORTATION SYSTEMS TECHNICIAN 1

Job Code	Pay Grade
16384	CL14

Nature of Work

This is specialized technical work in the installation, inventory, repair, and maintenance of telecommunication networks, electronic Intelligent Transportation Systems (ITS) devices, and related traffic control apparatus. An incumbent in this class is responsible for ensuring that field and in-house ITS equipment and systems are properly maintained and functioning. Work is performed in accordance with established practices and assignments may be accompanied by sketches, blueprints or schematics. The incumbent may assist higher level technicians in tasks associated with more complex network implementations, installation assignments, and repairs. An incumbent may continue to perform Transportation Systems Technician 1 functions for an indefinite time or non-competitively advance to Transportation Systems Technician 2 at the discretion of the appointing authority. The employee reports to a supervisor or designee.

Minimum Qualification Requirements

- 2 years experience performing hands on technical fiber-optic cable support activities maintaining and repairing electronic networking or telecommunication devices, electronic Intelligent Transportation Systems (ITS) devices support or comparable equipment; or
- Associate's degree in information technology or completion of 2 years of vocational and information technology maintenance school training in a related field; 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.
- 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.
- Employee to either obtain or complete training and become officially certified to terminate fiber optic cable.
- Employee must obtain and possess an International Municipal Signal Association (IMSA) Level II Signal Certification within 1 year of appointment.
- Other highly desirable knowledge, skills, abilities, and credentials relevant to a position.

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

- Locates and maps fiber-optic communications network using GPS and GPS Software equipment.
- Maintains, modifies and repairs fiber-optic cable and corrects causes of failures in the telecommunications network.
- Performs emergency and routine field servicing of Intelligent Transportation System devices including Closed Circuit Television Cameras (CCTV), Dynamic Message Signs (DMS) and vehicle detection equipment.
- Assists in setting up, programming and installing network components in the field or the traffic control center.
- Installs, troubleshoots and repairs Ethernet network switches, cables and other associated apparatus.
- Troubleshoots and maintains central video wall.
- Performs related work as assigned or required.

TRANSPORTATION SYSTEMS TECHNICIAN 1 (continued)

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Knowledge, Skills, and Abilities

- Knowledge of standard practices, materials, tools and equipment used in fiber optic troubleshooting including Optical Time Domain Reflectometer (OTDR), light and power meters.
- Knowledge of local and national electrical equipment codes, occupational hazards and appropriate safety precautions.
- Knowledge of operating characteristics, capabilities and limitations of computer equipment and routine procedures.
- Ability to apply computer applications and software.
- Ability to operate GPS backpack locating devices, determine conduit routing and verify routing pathways.
- Ability to locate, define and repair defects in communication networks.
- Ability to relate technical information in a manner understandable to co-workers, superiors and members of the public.
- Ability to interpret and work from technical sketches, blueprints and schematics.

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Revised	EEOC Code	Overtime Code
9/13	Technicians	Classified