

Alternative Job Titles

ITS Technician, Traffic Systems/Signal Technician I, Traffic Systems/Signal Technician II, Traffic System Supervisor

Job Description

A traffic signal or intelligent transportation system (ITS) technician is responsible for the installation, maintenance, and/or repair of ITS and traffic signal systems including traffic signal cabinets, loop detection systems, and traffic signal electronics. A traffic signal or ITS technician might also assist with the development of traffic studies and design plans such as for ITS infrastructure, traffic signals, signing, pavement marking, construction sequencing, and traffic control plans. The technician may troubleshoot ITS and traffic signal equipment and make recommendations to repair or resolve any issues in a given system. These technicians may also be responsible for the maintenance of spare equipment and parts, including inventory management and documentation. Relevant technology includes CCTV systems, dynamic message signs, travel time readers, vehicle detection systems, and fiber optics and wireless systems. A traffic signal or ITS technician should ensure that traffic signal installation and related activities are conducted in compliance with applicable traffic control device regulations, standards, and specifications.

Knowledge Requirements

- Traffic Control Devices
- Electrical Trade
- Operation of Relevant Equipment/ Machinery
- ITS Technology/Operations
- Management of Labor, Tools, or Materials
- Manual Labor/Physical Requirements and Constraints
- Occupational Hazards and Safety Precautions
- Transportation, Traffic Engineering, and Operations
- Local Agency Procedures/ Standard Design Principles
- MUTCD

Required Skills & Abilities

- Communication Skills, Written and Verbal
- Interpersonal Skills
- Ability to read/ interpret diagrams, schematics, blueprints, etc.
- Ability to follow/ interpret instructions
- Time and Task Management Skills
- Technical Communication/Report Development Skills
- Ability to work well on a team
- Analytical, Mathematical, or Problem-solving Skills
- Ability to pass a drug screening or background check
- Managerial/ Supervisory Experience and Leadership Skills
- Possess professional judgement
- Ability to collect, enter, or analyze data

Technical Skills Requirements

- General Computer Skills
- Knowledge of Microsoft Office Programs

Typical Salary

- \$28,000- \$115,000

Education & Work Experience

- Associate's or bachelor's degree preferred; high school diploma or GED required.
- Major coursework/training in electronics or electrical engineering commonly requested.
- Commercial Driver's License and IMSA Certifications in Traffic Signals commonly required.