



City of Casa Grande

Signal Light Technician

GENERAL PURPOSE: Under general supervision, performs a variety of skilled work of above average difficulty in the inspection, installation, maintenance and repair of traffic signal devices.

PRIMARY DUTIES AND RESPONSIBILITIES:

*The following duties **ARE NOT** intended to serve as a comprehensive list of all duties performed by all employees in this classification, only a representative summary of the primary duties and responsibilities. Incumbent(s) may not be required to perform all duties listed and may be required to perform additional, position-specific duties.*

- Installs, inspects, maintains and repairs traffic signal devices, including traffic lights, actuators and walk/wait signals.
- Repairs, replaces, and troubleshoots damaged or malfunctioning traffic signal equipment in the field; tests devices and make necessary repairs; tests and programs microprocessor-based controllers and conflict monitors.
- Inspects and approves contractor installation of traffic signal equipment.
- Reviews blueprints and schematics and determines the accuracy or malfunction of traffic signal equipment by use of testing devices.
- Maintains necessary records relating to inspection, installation, maintenance and repairs of traffic signal devices.
- Loads and unloads materials using power equipment.
- Performs skilled and semiskilled construction, maintenance and labor work as needed; directs and trains other technicians as required.
- Reports incidents and problem situations to supervisor.
- Performs layout and fabrication of standard and custom signs.
- Inspects and services assigned vehicle; maintains basic records of vehicle usage.
- Performs other duties as assigned or required.

SUPERVISION EXERCISED: None.

JOB DESCRIPTION
SignalLightTechnician.doc

MINIMUM QUALIFICATIONS:

Education and Experience:

High School diploma or GED equivalent, and four (4) year's traffic signal installation and repair experience.

Necessary Knowledge, Skills and Abilities:

- Knowledge of City policies and procedures.
- Knowledge of methods, procedures, materials, equipment and tools used for fabrication, installation, maintenance, and repair of traffic control signs and related devices.
- Knowledge of Manual on Uniform Traffic Control Devices (MUTCD) and OSHA safety rules and regulations.
- Knowledge of electrical and electronic theory as applied to traffic signal devices.
- Knowledge of safety standards and practices in hazardous traffic environments.
- Knowledge of traffic laws and rules involved in traffic signals and equipment operation.

- Skill in reading and understanding road construction blue prints and electrical schematics.
- Skill in operating personal computer systems and specialized software applications to include file management, and graphic design.
- Skill in reading and understanding route maps and street signs.
- Skill in operating specialized maintenance equipment and equipment used in the fabrication of traffic signs.
- Skill in following and effectively communicating verbal and written instructions.

Special Requirements: Valid Arizona State Commercial Drivers License; and IMSA (International Municipal Signal Association) Level II Traffic Signal Technician Certification; other certifications may also be required.

Physical Demands / Work Environment: Work is performed outdoors and in repair and maintenance facilities.

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as needed.