



Town of Oro Valley Classification Description

Title: **TRAFFIC TECHNICIAN**
Job Code: 3230
FLSA Status: Non-Exempt

Department: Public Works
Salary Grade: 109

POSITION SUMMARY:

Under general supervision, performs progressively more responsible work in the installation, maintenance and repair of traffic signal control devices. Employee performs preventive and corrective maintenance, troubleshoots, diagnoses and tests traffic signal equipment; tests and installs new equipment; collects, prepares and maintains signal operations related records and reports; assists in installation and repair of traffic signs and responds to blue stake requests.

ESSENTIAL JOB FUNCTIONS:

- A. Assists in troubleshooting and repairing traffic signal control devices that have undergone electrical, electronic equipment, or electrical wire/cable failure.
- B. Learns to interpret electronic schematics, wiring diagrams and construction prints.
- C. Assists in testing traffic signal control equipment and related devices in order to identify defects.
- D. Learns to program various types of computerized traffic signal controllers.
- E. Performs traffic studies under direction of more experienced or higher level Traffic Technician.
- F. Works on traffic signage and striping projects, learning how to use the Manual of Traffic Control Devices and Highway Capacity Manual in completing projects.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of Town and Department policies and procedures.
- Knowledge of component parts of electronic and electro-mechanical devices used in traffic control work.
- Knowledge of occupational hazards and safety precautions of the electronics trade.
- Knowledge of standard tools, materials, methods, and practices of electrical and electronic repair.
- Skill in electrical and electronic repair work.
- Skill in establishing and maintaining effective working relationships.
- Ability to make skillful, controlled manipulations of small objects, such as wiring a control cabinet.
- Ability to work at heights up to 30 feet, such as standing in a raised bucket to repair, remove, or replace signal heads or other devices.

- Ability to lift arms above shoulder level, such as working with overhead wiring.
- Ability to work outdoors in a variety of adverse conditions, such as heavy nearby traffic and inclement weather with exposure to the elements, including heat, rain, wind and cold.
- Ability to perceive the full range of the color spectrum, such as working with color-coded electronic components or multi-conductor cables.
- Ability to use common hand tools, such as screwdrivers, wire cutters, pliers or similar tools.
- Ability to enter data or information into a computer terminal, laptop computer, or other keyboard device.
- Ability to exercise safety precautions and conform to safety rules and regulations.
- Ability to understand and follow verbal or written instructions in the English language and to communicate in the English language by phone, two-way radio or in person in a one-to-one or group setting.
- Ability to work flexible hours including night and weekend or holiday hours as required.

MINIMUM QUALIFICATIONS:

- An Associate's degree in electronics and the ability to complete IMSA Level I certification within six months of employment in this position.
- **OR** an equivalent combination of education and experience.
- Must possess at time of application and maintain an Arizona driver license.

ENVIRONMENTAL FACTORS and WORKING CONDITIONS:

- Work is performed in an outdoor environment.