



## Town of Oro Valley Classification Description

Title: **SENIOR TRAFFIC TECHNICIAN**  
Job Code: 3235  
FLSA Status: Non-Exempt

Department: Public Works  
Salary Grade: 112

### **POSITION SUMMARY:**

Under general supervision, works in all areas of the Town's traffic program. Aids in developing the traffic signal operations and maintenance program; performs work in the installation, maintenance and repair of traffic signal control devices, completes traffic studies and helps develop the striping and signage designs for the Town's street system. 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; and responds to blue stake requests.

### **ESSENTIAL JOB FUNCTIONS:**

- A. Troubleshoots and repairs traffic signal control devices that have undergone electrical, electronic equipment or electrical wire/cable failure.
- B. Interprets work using electronic schematics, wiring diagrams and construction prints.
- C. Tests traffic signal control equipment and related device to identify defects.
- D. Programs various types of computerized traffic signal controllers.
- E. Completes traffic studies and designs signage and striping plans for town streets.
- F. Collects, prepares and maintains signal operations related records and reports.
- G. Responds to blue stake requests.
- H. Serves as the staff contact person for the traffic signal system.

### **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 electronic trade.
- Knowledge of standard tools, materials, methods, and practices of electrical and electronic repair.
- Skill in electrical and electronic repair work.
- Skill in using the Manual of Traffic Control Devices and Highway Capacity.
- Skill in verbal and written communication as required in order to complete work assignments, communicate effectively with others, and prepare written reports.
- Skill in establishing and maintaining effective working relationships.

- Ability to make skillful, controlled manipulations of small objects, such as wiring and 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; and to work flexible hours including nights and weekends as required.
- 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.

#### **MINIMUM QUALIFICATIONS:**

- A Bachelor's degree in Engineering or related field, and possession of IMSA Level II certification.
- Two (2) years' experience in traffic signal maintenance, civil engineering or related field; **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.