



## JOB DESCRIPTION

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# **SENIOR TRAFFIC SIGNAL TECHNICIAN**

## **DEFINITION**

Under general supervision, this position is responsible for the maintenance, repairs and operations of the traffic signals and safety lighting systems for the City of Rancho Mirage; performs all Public Works contract inspections related to traffic signals and extraordinary contracts; inspects and performs repair work; coordinates and supervises, as needed, Traffic Signal Technicians and/or contractors and maintenance personnel.

## **Distinguished Characteristics**

This classification performs at an advanced journey level. The incumbent in this position possess significant responsibilities beyond that expected at the journey level and requires a significant level of specialized, technical and functional expertise. They are assigned the more complex or specialized work requiring significant exercise of independent judgment. They may provide technical and functional lead supervision and/or training to other subordinate positions.

## **EXAMPLES OF DUTIES**

1. Performs routine and extraordinary traffic signal and safety lighting maintenance for all city owned facilities.
2. Schedules, coordinates and participates in the day to day operation of a signal maintenance program.
3. Coordinates with the TMC on signal operations; troubleshoots, maintains and oversees installation of miles of communications cable, from pedestals, boot connections, aerial to underground.
4. Assists in the design of localized traffic signal systems and performs plan checking functions.
5. Performs field inspections of electrical work in all traffic signals controllers and appurtenances to ensure compliance with City standards.
6. Maintains inspection log and detailed records related to traffic signals including signal timing records
7. Investigates complaints regarding traffic signals; responds to emergency situations and provides 24-hour on-call services.
8. Administers traffics signal maintenance contracts; monitors maintenance budget; meet with contractors, manufacturers, engineers and field inspectors to resolve problems related to traffic signal operations and to ensure compliance with contract specifications.
9. Inspects and verifies proper traffic signal operation.
10. Performs plan checking related to traffic signal and safety lighting designs.
11. Supervises, trains and instructs other Traffic Signal Technicians and contract workers.
12. Without additional compensation, employees shall perform such additional acts or duties as the City Manager shall assign.



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### QUALIFICATIONS/GUIDELINES

#### Experience

Apply technical knowledge and follow proper traffic signal operation practices and procedures; determine priorities and make independent judgments in emergency situations; test and troubleshoot communication cable; communicate using a two-way radio; read and interpret plans, wiring diagrams, blue prints, and technical regulations; maintain accurate records; deal diplomatically with City staff, contractors, the public and manufacturers; may supervise, train and evaluate other Traffic Signal Technicians; plan and organize work assignments of subordinates and outside contractors.

#### Knowledge, Skills and Abilities

Modern methods, materials, equipment and standards of traffic signalization and operations electrical work; electronic components and electrical code; traffic safety procedures, delineation with cones; computers and software used in traffic signal controllers; communication cable maintenance and troubleshooting; and traffic signal procedures and operation with the TMC; testing equipment used in electrical and mechanical troubleshooting; methods and practices in supervising, training and evaluating subordinate personnel; methods and practices of traffic signal inspection plan checking and contract administration.

#### Physical Requirements

Able to stand, walk, climb ladders, stoop, bend, kneel and tour construction.

#### Special Requirements

Possession of/or ability to obtain a valid California driver's license. Level II IMSA Certification.

### WORKING CONDITIONS

Incumbents must be able to perform tasks related to maintenance and construction work which may include lifting objects weighting 50 pounds or more; moderate exposure to dust, temperature, noise, and inclement weather; occasional exposure to hazardous work construction.

### ESSENTIAL ELEMENTS

#### Aptitudes

Eye/hand coordination, hearing/listening and smelling.

#### Physical Demands

Limited stooping, sitting, limited kneeling, standing, walking, lifting (over 50 pounds), touching dexterity (hand and finger), carrying, clear seeing - general, close vision, color perception, clear speech - simple, driving vehicle, limited climbing, moving objects, hazards, and fatigue.

#### Mental Requirements

Reading and writing - simple, memorization, analyzing, math skills, judgment, and decision making.

#### Work Environment

Works alone, with others, and around others, verbal contact with others, face-to-face contact, inside, outside, extended days, confined areas, extreme heat/cold, temperature changes, wet and/or humid, noise, mechanical and electrical equipment, high places, fumes/odors, and dirt/dust. Performs a wide variety of duties.

#### Equipment

Telephones, calculator and related maintenance tool equipment.