

City of Victorville Position Description
Signal Technician I

SIGNAL TECHNICIAN I

DEFINITION

Under general supervision, performs semi-skilled electrical and electronic maintenance work in the maintenance, repair, overhaul and adjustment of electrical and electronic traffic signals, traffic signal coordinated systems and flashing beacons; and performs related work as required.

DISTINGUISHING CHARACTERISTICS

Incumbent performs semi-skilled labor and limited electrical and electronic work in the maintenance and repair of traffic signal equipment and hardware and reports to the Traffic Signal Supervisor. Repair of signal fixtures is performed independently and is subject to inspection of work in progress and upon completion.

TYPICAL TASKS

Maintains, inspects, and repairs traffic signal systems hardware; maintains traffic signal service and controller cabinets; performs minor trouble-shooting techniques to the traffic signal systems for malfunctions; pulls, splices, strings and terminates wiring and cables; performs heavy manual labor; works at considerable height above the ground from ladder and tower trucks; assists in the design, construction and modification of new and existing traffic control systems, and safety lighting; interacts with contractors and clients; reads and interprets electrical plans, specifications, blueprints and sketches; prepares reports of time and material expended; operates power tools commonly used in utility work; requisitions parts and supplies; operates all city vehicles in a safe and efficient manner; utilizes computer and computer software; routinely adheres to and maintains a positive attitude; responds to emergency call-outs; and performs related duties as required.

EMPLOYMENT STANDARDS

Training & Experience - Graduation from high school, or G.E.D. equivalent, supplemented by courses in Basic Electricity or Electronics, and two years of experience in traffic signal and street light maintenance. Completion of college-level courses in electronics may substitute for experience on a year-for-year basis equal to 30 semester units equal up to a maximum of one year. Possession of International Municipal Signal Association (IMSA) certificate at Level I or higher may substitute for one year of experience.

Knowledge & Abilities-Knowledge of: basic electrical circuitry and electronics as they relate to traffic signal and lighting systems; methods, materials, tools and equipment used in the maintenance and repair of traffic control devices; appropriate safety precautions and procedures; basic electrical and electronic theory and shop mathematics applicable to the electrical trade; solid state circuitry; applicable laws, codes and regulations. **Ability to:** read and work from wiring diagrams, blueprints, plans and specifications; climb and work safely at considerable height above the ground in a hydraulic man-lift and ladders; perform manual labor in varying weather conditions; work independently in the

field; utilize a computer and computer software; understand and carry out oral and written instructions; establish and maintain effective relationships with those contacted in the course of work; respond to emergency calls within one hour.

Licenses and Certificates – Possession of a valid Class “C” California driver’s license. Must be able to obtain a valid California Class “B” driver’s license within six months of appointment. Must obtain certification by International Municipal Signal Association (IMSA) at Level I within twelve months of employment.

WORKING CONDITIONS

Work is performed in a variety of environmental conditions, indoors and out, with wide temperature variations, noise, vibrations, fumes, odors and dust, irritating chemicals and occasional exposure to hazardous work conditions. Incumbent must have the mobility to visit various job sites on a daily basis. Some heavy lifting and other physical exertion required. Incumbent must be able to see and hear in the normal range with or without correction, and communicate verbally and in written form with great facility and must be able to be understood. Incumbent will be required to respond to emergencies after regular working hours and on weekends and must be flexible to meet the needs of the community by working an irregular schedule, which may include weekends, holidays, evenings, and/or varying shifts. Must possess the stamina to work long hours and overtime if necessary.

APPROVED: 
DIRECTOR OF HUMAN RESOURCES

DATE REVISED: December 9, 2004

Class specifications are only intended to present a descriptive summary of the range of duties and responsibilities associated with specified positions. Therefore, specifications **may not include all** duties performed by individuals within a classification. In addition, specifications are intended to outline the **minimum** qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.
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