

**CALIFORNIA DEPARTMENT OF TRANSPORTATION
DUTY STATEMENT**

CLASSIFICATION TITLE Caltrans Electrician I	DISTRICT/DIVISION/OFFICE 06/Fresno/Tulare/Bakersfield	
WORKING TITLE Caltrans Electrician I	POSITION NUMBER 906-670-6938	EFFECTIVE 06/2014

As a valued member of the Caltrans team, you make it possible for the Department to improve the mobility across California by being innovative and flexible; reporting to work as scheduled; working cooperatively with team members and others; and treating others fairly, honestly and with respect. Your efforts are important to each member of the team, as well as those we serve.

GENERAL STATEMENT: Under the general direction of a Caltrans Electrical Supervisor, the Caltrans Electrician I position will assist higher level electricians in the more complex activities; may routinely patrol an assigned area; may perform routine bench maintenance activities or assist higher level journey persons in the bench or field repair of more complex devices and circuitry. Class C Driver's License is required.

TYPICAL DUTIES:

Percentage	Job Description
Essential (E)/Marginal (M) ¹	
40% (E)	Maintenance and repair of traffic signals/ highway lighting systems, including replacement of knocked down signal light poles. Change and relamp burned out lights. Repair Lighting circuits.
30% (E)	Traffic signal controller knockdowns, re-wiring of intersections, emergency call outs to repair traffic signals.
20% (E)	Maintain, repair and/or replace landscape sprinkler controllers, boosters pumps, pump controls and clocks.
5% (M)	Assist other electrical supervisors with issuing materials and ordering materials for specific locations.

¹ ESSENTIAL FUNCTIONS are the core duties of the position that cannot be reassigned
MARGINAL FUNCTIONS are the minor tasks of the position that can be assigned to others

5% (M) Provide help and skills to public relations and other state and local agencies.

SUPERVISION RECEIVED Supervision is provided by a Caltrans Electrical Supervisor or a Caltrans Electrician II.

SUPERVISION EXERCISED OVER OTHERS

None

KNOWLEDGE, ABILITIES AND ANALYTICAL REQUIREMENTS

Theory of electricity and electronics; basic terminology, principles, methods, materials, tools and equipment used in the installation, maintenance and repair of electrical and electronic equipment including solid-state circuits and transistors; safety precautions while working with electricity, including the National Electric Code, the Electrical Orders of the Division of Industrial Safety, and CAL/OSHA safety and health regulations. Skill in: Making difficult and complex installations and repairs in locating causes of failure. Ability to: Communicate at a level required for successful job performance; follow directions; work with hand tools, read electrical schematic drawings and constructions blueprints; analyze situations and adopt effective courses of action.

ADDITIONAL DESIREABLE QUALIFICATION Possession of a valid and unrestricted Class B or Class A Driver's License.

CONSEQUENCE OF ERROR/RESPONSIBILITY FOR DECISIONS

An error in judgment or decision making process could result in additional work, exposure to tort liability & loss of credibility.

PUBLIC AND INTERNAL CONTACTS

The incumbent may be asked to work with California Highway Patrol representatives, other government agency representatives and members of the public as well as all levels of Caltrans Management

PHYSICAL, MENTAL AND EMOTIONAL REQUIREMENTS

The incumbent will be required to wear safety equipment, such as earplugs, hardhats, gloves, rain gear, rubber boots, coveralls, eye protection, and breathing apparatus. The incumbent will be required to move heavy objects, stand or sit for prolonged periods, bending, stooping, and or kneeling. The incumbent may have to walk on uneven surfaces, climb slopes, ladders. Must have the ability to develop and maintain cooperative working relationships, respond appropriately to difficult situation, recognize emotionally charged issues or problems, and acknowledge the various responses.

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