

TRAFFIC SYSTEMS TECHNICIAN

DEFINITION

Under general supervision, repairs, calibrates, maintains, and troubleshoots traffic systems equipment in traffic signals and street lights in the city.

ESSENTIAL FUNCTIONS

(Essential functions, as defined under the Americans with Disabilities Act, may include the following tasks, knowledge, skills and other characteristics. This list of tasks is ILLUSTRATIVE ONLY, and is not a comprehensive listing of all functions and tasks performed by positions in this class). Incumbents in this class may not be required to perform all duties listed and may be required to perform additional, position-specific duties.

TASKS

Repairs, calibrates, maintains and troubleshoots electronic equipment in traffic signals and street lights; responds to traffic signal problems and outages; troubleshoots or replaces circuits and light outages in traffic signals and street light circuit boxes; reconstructs traffic signal controllers and electronic equipment to regain/recover power or lights; installs traffic signal or street light electronic equipment; operates lift truck and boom truck in the repair of traffic signals, street lights and removal of poles; performs preventative maintenance to traffic signals; sets traffic counters; programs chips to install in circuit boxes used to operate traffic signals; collects and gathers traffic and signal light data and prints reports for supervisor and engineering staff; implements occupational hazard and safety guidelines while performing work orders.

KNOWLEDGE, SKILLS AND OTHER CHARACTERISTICS

Knowledge of traffic systems, street lights and traffic signals equipment maintenance, repair and troubleshooting techniques

Knowledge of the use of equipment and devices governing traffic signals and street lights

Knowledge of occupational hazards and safety guidelines

Skill in repairing, replacing and maintaining traffic signals and street lights equipment

Skill in the use of power and hand tools used in traffic signal and street light repair

Skill in following oral and written instructions

Skill in establishing and maintaining effective working relationships

WORK ENVIRONMENT AND PHYSICAL REQUIREMENTS

Work is performed in an outdoor environment. Work may require frequent standing, walking, bending, climbing and lifting up to 30 pounds. Incumbents may be exposed to extreme temperatures and weather, moving traffic, areas under construction and high voltage.

QUALIFICATIONS

AA degree or Professional Certification in Traffic Systems and Street Lighting or closely related **AND** three (3) years experience installing, maintaining and repairing traffic systems, street lights and traffic signals. Must possess at the time of application and maintain a valid California driver's license. Must be able to obtain and maintain level 2 Technician certification issued by the International Municipal Signal Association within 18 months of employment.