

CITY OF BURBANK

TRAFFIC SIGNAL TECHNICIAN

DEFINITION

Under general supervision, to perform a variety of skilled electronics and electrical maintenance, and repair, and testing work on traffic signals, parking and traveler information, and intelligent transportation systems; and perform related duties as required.

ESSENTIAL FUNCTIONS

Troubleshoots, programs, repairs, installs, maintains, tests, and configures various traffic signal and intelligent transportation equipment, including but not limited to, controller units, conflict monitor units, flashers, relays, input and output devices, poles, signal heads, conduit, pull boxes, conductors and wiring, bonding, vehicle, bicycle, and pedestrian detectors, intersection lighting, batteries and battery backup units, pan-tilt-zoom and video detection cameras, changeable message and parking information signs, twisted pair and fiber optic cabling, and fiber optic plant, and other traffic control devices; digs and pours foundations; monitors and inspects contract work performed on traffic signals, intersection lighting, parking and traveler information, and intelligent transportation systems; builds and installs devices and wiring for traffic operations; observes traffic signal operations; prepares and maintains records and reports, both manually and electronically; utilizes machinery, power tools, and metering instruments; operates vehicles and other power driven equipment keeps vehicles, supplies, and tools in proper order; follows proper safety procedures and ensures that other employees adhere to such practices; operates a computer with related software; set up and maintains temporary traffic control; performs emergency repairs; responds to emergencies after-hours as necessary; uses independent judgement and decision making skills based on standard policy or working procedures; may train, supervise, and evaluate employees.

MINIMUM QUALIFICATIONS

Employment Standards:

- Knowledge of - maintenance and repair procedures as related to traffic signal, intersection lighting, parking and traveler information, and intelligent transportation systems; instrumentation, scales, measurements, and occupational hazards and safety procedures; principles of electricity, electronics, and mathematics; characteristics of electronic and testing equipment; the National Electrical Code, California Department of Occupational Safety and Health, and California Manual on Uniform Traffic Control Devices Chapter 6 standards; ; principles and practices of sound personnel management and supervision; spelling, grammar, and punctuation.
- Skill in - diagnosing, testing and repairing electronics and electrical systems; utilizing devices, tools, and equipment for electrical and mechanical work; operating modern computers and related software; using independent judgement and decision making skills based on standard policy or working procedures.

- Ability to - learn electrical and electronic systems; follow safety policies and working procedures; read and interpret schematic diagrams; acquire a working knowledge and implement best practices for construction and operation of traffic signals and intelligent transportation systems; maintains records and reports; follow oral and written directions; communicate effectively both orally and in writing; establish and maintain effective working relationships with supervisors, fellow employees, contractors, and the public.

Education/Training: Any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance as determined by the City. Example combination includes, but is not limited to graduation from an accredited college or university with a Bachelor of Science Degree in Electrical Engineering or related field and two years of experience working with traffic signal construction, troubleshooting, or repair experience; or International Municipal Signal Association (IMSA) Traffic Signal Technician Level I or State of California Department of Industrial Relations Electrician certification, and two years of experience working with traffic signal construction, troubleshooting, or repair experience; or graduation from high school or equivalent, and five years of experience working with traffic signal construction, troubleshooting, or repair experience.

Special Conditions & Requirements: Ability to perform essential functions of the classification, which include the ability to lift and move objects weighing up to 30 pounds, exert physical effort required to operate machinery and power equipment, bend in all directions, climb stairs and ladders, work at heights up to 50 feet; walk on uneven surfaces, make field observations, and remain in a stationary position for extended periods of time. COLOR VISION: Keen Color Vision.

License & Certificates: A valid California Class "C" driver's license or equivalent at time of appointment. IMSA Traffic Signal Technician Level I within 12 months of appointment.

SUPPLEMENTAL INFORMATION

Desirable Qualifications: IMSA Traffic Signal Technician Level II certification.