

## **CITY OF BURBANK**

### **ASSISTANT TRAFFIC SIGNAL TECHNICIAN**

#### **DEFINITION**

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

#### **ESSENTIAL FUNCTIONS**

Assists in programming, troubleshooting, maintaining, repairing, testing, and configuring of various traffic signal and intelligent transportation system 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 detectors, 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, fiber optic plant, and other traffic control devices; 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; performs proper safety procedures; operating a computer with related software; set up and maintain temporary traffic control; performs emergency repairs; operates a computer with related software; using decision-making skills based on standard policy or working procedures.

#### **MINIMUM QUALIFICATIONS**

##### **Employment Standards:**

- Knowledge of – principles of electricity, electronics, and mathematics; instrumentation, scales, measurements; and occupational hazards and safety procedures; characteristics of electronic testing equipment; spelling, grammar, and punctuation.
- Skill in – diagnosing, testing and repairing electronics and electrical systems; utilizing devices, tools, and equipment for electrical and mechanical work; discerning potentially dangerous situations; operating modern computers and related software; using 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; 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 one year of experience working with outdoor electronics or electrical repair experience; or International Municipal Signal Association (IMSA) Traffic Signal Technician Level I or State of California Department of Industrial Relations Electrician certification, and one year of experience working with outdoor electronics or electrical repair experience; or graduation from high school or equivalent, and four years of experience working with outdoor electronics or electrical repair experience.

**Special Conditions & Requirements:** Ability to move 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, extensive exposure to video display terminals/computers. COLOR VISION: Keen Color Vision.

**License & Certificates:** A valid California Class "C" driver's license or equivalent at time of appointment.

#### **SUPPLEMENTAL INFORMATION**

None.