

TITLE: **TRAFFIC SIGNAL TECHNICIAN I-II**

DEFINITION: Under general supervision, performs skilled work on analog and digital solid-state controllers, computers and other solid-state traffic control equipment.

DISTINGUISHING CHARACTERISTICS:

Grade Level I - Performs the duties of the classification.

Grade Level II – Supervises, trains and performs the duties of the classification.

EXAMPLES OF DUTIES:

- Adapts, assembles, installs, maintains, wires, modifies, and updates traffic signals, microwave radio and cable telemetering systems and control equipment;
- Synchronizes traffic signal systems and street lights maintenance and repairs;
- Strings and pulls wires and cables;
- Operates environmental chamber to test equipment to State and NEMA specifications;
- Tests and calibrates traffic control equipment to State and NEMA specifications;
- Reconstructs and refurbishes traffic signal equipment;
- Assists in designing and fabricating special electronic apparatus and systems;
- Installs traffic signal service and controller cabinets;
- Installs traffic signal poles, pedestrian and vehicle indicators and other related equipment;
- Installs and repairs traffic signal conduit, traffic signal safety lighting and illuminated street name signs;
- Checks signal coordination and timing;
- Repairs AC outlets, switches, small motors, controls and battery chargers;
- Performs light maintenance on tools;
- Performs heavy manual labor;
- Observes safety rules and regulations;
- Maintains records and prepares reports;
- May determine job requirements and estimate costs;
- May coordinate and supervise the programming of traffic signal computer systems, including installation; repair of microwave, aerial and underground cable control systems;
- May coordinate and supervise installation of specialized intersections, safety lighting and interconnect systems;
- May interface with client departments and contractors;
- May review construction work in progress and upon completion;
- May train, assign and supervise personnel;
- May analyze, review and make recommendations on plans and specifications;

- May plan and schedule work;
- Operates a City vehicle;
- Performs other related duties as required

MINIMUM QUALIFICATIONS:

- Two years of experience in the maintenance and repair of complex electronic analog and digital solid-state equipment, electrical equipment, traffic systems or street light systems.
- Satisfactory completion of college level coursework in electronics and/or electrical technology curriculum may be substituted for the required experience on a year-for-year basis up to one year.

KNOWLEDGE, SKILLS, AND ABILITIES:

- Knowledge of associated test equipment and computers;
- Ability to perform heavy manual labor;
- Ability to read schematics and blueprints;
- Ability to effectively communicate both orally and in writing;
- Willingness to work in an aerial lift at a height of up to 55 feet;
- Willingness to work overtime, weekends and holidays, and serve on rotating callout basis for one week at a time.

A valid California Class C motor vehicle operator license;

A valid California Class B motor vehicle operator's license must be obtained prior to passing probation and must comply with the Anti-Drug and Alcohol Misuse Prevention Program for Commercial Vehicle Operators as required by the Department of Transportation regulations.

HISTORY: Revised: 07/28/88, 08/03/88, 04/19/06

Title changed from Traffic Signal Electrician 07/01/88, Senior Traffic Signal Electrician consolidated to level II 08/03/88;

Approval/Adoption Dates: 05/02/2001, 04/19/06

Civil Service Commission Approval/Adoption Date: 05/12/2021