



CITY OF LONG BEACH CLASSIFICATION SPECIFICATION

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.

REPORTS TO: Traffic Signal Coordinator

DISTINGUISHING CHARACTERISTICS:

Grade Level I - Performs the duties of the classification.

Grade Level II - Supervises and performs the duties of the classification and has a Level II International Municipal Signal Association certificate.

EXAMPLES OF DUTIES:

- Adapts, assembles, installs, maintains, wires, modifies, and updates traffic signals, microwave and cable telemetering systems and control equipment;
- Synchronizes traffic signal systems;
- 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;

TRAFFIC SIGNAL TECHNICIAN I – II (continued)

- 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;
- Performs other related duties as required.

MINIMUM REQUIREMENTS:

- Two years of experience in the maintenance and repair of complex electronic analog and digital solid state equipment. Satisfactory completion of college level courses in electronics and/or computer programming may be substituted for experience on a year-for-year basis;
- Knowledge of associated test equipment and computers ;
- Ability to perform heavy manual labor;
- Ability to read schematics and blueprints;
- Good oral and written communication skills;
- Willingness to work in an aerial bucket truck at heights of up to 45 feet.
- Willingness to work overtime, weekends and holidays;
- A valid California Class C motor vehicle operator license;
- A valid California Class B motor vehicle operator's license within six months of appointment and must comply with the Anti-Drug and Alcohol Misuse Prevention Program for Commercial Vehicle Operators as required by the Department of Transportation regulations.

HIGHLY DESIRABLE:

- A Level I International Municipal Signal Association certificate.

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