

TRAFFIC TECHNICIAN

NATURE OF WORK

This is advanced technical work in connection with the Traffic Operations section of the Engineering Services Division.

Work responsibilities may include one or more of the following: maintenance and operations of the City traffic signal system; construction inspection of traffic signal installations; traffic signal facility Locates through the on-call Locate system; routine cabinet and overhead equipment maintenance; electrical wiring tasks; coordination with electrical contractors; final system testing and acceptance; mobile database editing; emergency response to signal equipment failures; vehicle detection troubleshooting and minor signal timing inputs. Supervision is received from a technical or administrative superior who reviews results to assure adherence to accepted engineering principles.

EXAMPLES OF WORK PERFORMED

Reviews and responds to inquiries, requests and complaints pertaining to traffic signal installation, operation and removal.

Performs field inspections of traffic signal installations and removal performed by outside contractors.

Installs, removes or assembles traffic signal subassemblies.

Conducts maintenance of the traffic signal system.

Responds to trouble calls; makes necessary repairs to reestablish proper intersection control; responds to locate calls.

Updates local intersection controller timing.

Troubleshoots, isolates problems and replaces defective signal components.

Performs related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Knowledge of City, County, State or Federal transportation planning processes.

Knowledge of engineering/planning software and applications.

Knowledge of spreadsheet, word processing, database and e-mail software.

Knowledge of traffic signal communications systems.

Ability to understand and follow oral and written instructions.

Ability to establish and maintain effective working relationships with other City departments, co-workers and the general public.

Ability to communicate effectively both orally and in writing.

Ability to read electrical diagrams or schematics.

Ability to troubleshoot traffic signal equipment.

MINIMUM QUALIFICATIONS

Associates Degree in computer science or civil engineering field, the electrical or electronic field; and 3 years of experience of a technical nature; or any equivalent combination of training and experience that provides the desirable knowledge, abilities and skills.

SPECIAL NECESSARY REQUIREMENTS

Possession of a valid driver's license when operating a vehicle may be necessary to the satisfactory performance of assigned duties for some positions within this classification.

Must have Sign and Pavement Marking Technician Level II Certification within 12 months of date of hire.

*Depending upon area of assignment, additional special requirements may be identified on the employee position description.

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