

- Provide work direction and on-the-job training to staff for signal timing tasks.
- Perform other related duties as assigned.

QUALIFICATIONS

Knowledge of:

- Theories, principles and practices of traffic engineering, including applicable traffic and zoning codes, ordinances, regulations and guidelines.
- Technical report writing.
- Computer applications relating to transportation and traffic engineering analysis.
- Federal, state and local laws, regulations and regulatory codes applicable to assigned areas of responsibility.
- Procedures applying to compilation and presentation of traffic data and analysis techniques.
- Requirements and methods of street marking and striping, including traffic signal control and operation.
- Modern techniques and equipment used in design and approval of various traffic engineering studies.
- Principles of supervision, training and performance evaluation.

Ability to:

- Plan, organize, design, implement and monitor transportation and traffic engineering projects.
- Analyze technical transportation design and engineering problems, evaluate alternative approaches, and adopt effective solutions.
- Understand, interpret, explain and apply City traffic operations and safety rules, regulations, policies, procedures and applicable local, state and federal legislation and regulations.
- Provide technical assistance on all aspects of traffic engineering projects, and apply traffic engineering knowledge to the solution of specific technical problems.
- Make complex engineering computations; check, design and supervise a wide variety of traffic engineering projects.
- Communicate clearly and concisely, orally and in writing.

Education and Experience:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: A Bachelor's degree in civil or electrical engineering or in a closely related field from an accredited college or university. A professional engineer's license is highly desirable.

Experience: Two years of professional civil or traffic engineering experience, or an equivalent combination of training and experience.

MEDICAL CATEGORY: Group 1

NECESSARY SPECIAL REQUIREMENT

Possession of an appropriate, valid class "C" California Motor Vehicle Operator's License.

CAREER ADVANCEMENT OPPORTUNITIES

FROM: Associate Traffic Engineer

TO: Senior Engineer