

SENIOR TRAFFIC ENGINEER

DEFINITION

Under general direction perform professional traffic engineering work in the planning, design, construction, maintenance and operation of traffic control equipment and related facilities; oversees the work of assigned staff; supervises and participate in traffic engineering work, projects and study; and perform other duties as assigned..

SUPERVISION RECEIVED AND EXERCISED

General direction is provided by the Public Works Director and City Engineer. Responsibilities include the direct and indirect supervision of engineering staff.

ESSENTIAL AND IMPORTANT DUTIES (Illustrative Only)

- Review specifications, plans, estimates and reports pertaining to the construction, maintenance, and operation of traffic engineering facilities and street lighting systems
- Directs construction inspection work requiring specialized traffic engineering knowledge and personally intervenes when highly technical problems require resolution.
- Directs and coordinates the repair and maintenance of traffic control devices and reviews invoices for payment.
- Assumes the major role in training other traffic engineering staff in technical and design aspects of traffic engineering or other transportation planning staff in the planning of transportation infrastructures.
- Oversees and directs the activities of assigned clerical, technical and professional staff; assists in the performance evaluations of workers.
- Prepares engineering cost estimates and recommends priorities for Public Works projects related to transportation; develops proposals, concept reports, project scopes and requests for proposals for traffic engineering improvement projects and/or transportation planning studies.
- Conducts and supervises field traffic engineering studies, topographical and construction surveys for streets, traffic control, and traffic flow developments.
- Provides professional advice to developers, consultants, and other City Departments on matters related to traffic control and safety; designs and supervises traffic striping and signing for pedestrian and vehicular movement.
- Reviews development and redevelopment proposals and plans.
- Prepares background material and draft recommendations for Council action on transportation issues.
- Signs off on documents and reports and performs other duties requiring licensure as a Professional Engineer in the State of California.
- Conducts or supervises traffic studies such as speed studies, stop sign warrants, and parking restrictions.

- Oversees program and project budget; assists with development and oversight of division budget.
- Meets with representatives of other governmental agencies, major industries, and citizen groups to discuss traffic problems.
- May serve as staff liaison to Boards and Commissions.
- Perform related duties as assigned.

JOB RELATED AND ESSENTIAL QUALIFICATIONS

Knowledge of:

- Principles of supervision, training, and performance evaluation.
- Principles and practices of budget preparation and control.
- Modern principles and practices of traffic and transportation engineering as applied to the design, construction and operations of a multimodal transportation system.
- Computers and hardware utilized for traffic signal controls.
- Computer software applications related to the work, including computer-aided traffic modeling concepts and applications.
- Street and roadway design and maintenance in conformance with applicable standards.
- Standard and alternative engineering construction materials.

Ability to:

- Analyze complex traffic engineering data and reports; evaluate alternatives and reach sound conclusions.
- Manage and review traffic studies, traffic circulation plans, transportation demand management plans.
- Develop and implement bicycle, pedestrian, safe routes to school and local transportation plans.
- Effectively represent the City in contacts with governmental agencies, community groups, various business, professional and regulatory organizations and with property owners and the public.
- Interpret and work from design and construction plans, sketches, and diagrams.
- Understand and carry out oral and written directions.
- Provide excellent customer service to the public and other City employees.
- Communicate clearly and concisely, both orally and in writing.
- Work independently and as a member of a team. Collaborate and coordinate with coworkers both in person and via videoconferencing.
- Direct and oversee the work of other transportation and traffic engineering staff.
- Interpret, apply, and explain laws, codes, regulations, and ordinances.
- Direct and maintain the cooperation of construction contractors, consultants, and others; administer contracts for professional services and construction projects in a municipal setting.
- Establish and maintain effective working relationships with contractors, co-workers, and the public.
- Prepare clear and concise written and oral reports and recommendations; maintain accurate records, logs, and databases.
- Travel to various sites within the City.

- Operate a personal computer, photocopier, facsimile machine and other standard office equipment.
- Observe safety principles and work in a safe manner.

EXPERIENCE AND EDUCATION:

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

Experience: Five (5) years of experience in performing relevant, professional level work in traffic, transportation or civil engineering with some lead or supervisory experience.

Education: Equivalent to a Bachelor's degree from an accredited college or university with major course work in in civil engineering or closely related field.

License and Certificate

Possession of a current registration as a Professional Civil or Traffic Engineer issued by the State of California. Possession of a valid California Driver License at the time of appointment.

SPECIAL REQUIREMENTS

Work is performed in typical indoor environment with some outdoor responsibilities. Ability to speak, read and write correct and effective English; to sit at a desk or in a car for long periods of time; to climb hills and ladders; to lift 25lb. boxes; ability to safely deal with exposure to electrical hazards; work outdoors in adverse weather; sufficient vision, hearing and stamina to perform the above functions; to deal with a wide variety of people with diplomacy, to enforce regulations with tact and firmness; to explain technical matters simply and patiently; to follow oral and written directions; keep accurate records and prepare clear and concise reports; to calmly deal with difficult people and with those from different cultures; to analyze situations accurately and adopt an effective course of action

Some of these requirements may be accommodated for otherwise qualified individuals requiring and requesting such accommodations.