

TRANSPORTATION ENGINEER

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Under general direction, to direct the work of staff involved in performing traffic engineering work; to coordinate and participate in overall transportation planning including the review of proposed developments, evaluation of traffic impacts and resolution of mitigation measures; to perform highly complex traffic engineering work in the design, construction and maintenance of transportation related facilities; and to serve as project manager for the planning, design and construction of major transportation improvement projects associated with outside agencies.

EXAMPLES OF DUTIES--*Examples of duties performed by employees in this class may not include all required duties, nor are all listed tasks necessarily performed by everyone in this class.*

Coordinates and participates in overall transportation planning including the review of proposed developments, evaluation of traffic impacts and resolution of mitigation measures; conducts, reviews and analyzes traffic studies for proposed developments; makes recommendations based on study outcomes; supervises the work of staff involved in performing traffic engineering work including traffic lighting, traffic control devices, streets, parking facilities and other vehicular and pedestrian traffic systems; works with developers, engineers and contractors to review plans and coordinate work involving traffic systems in residential, commercial and industrial projects; reviews plans, maps, specifications and other work for accuracy and conformance with established traffic engineering practices; analyzes and recommends traffic and transportation policies and standards; prepares written reports on transportation engineering projects; serves as project manager in the planning, design and construction of major transportation improvement projects associated with outside agencies; represents the City at various meetings and conferences; serves as liaison for various traffic and transportation engineering projects; prepares funding applications for State and Federal funding programs; coordinates and participates in overall transit planning for the City; conducts special studies; analyzes and recommends traffic and transportation policies and standards; assures effective coordination with surrounding transportation systems; assists in the preparation of long-range capital improvement plans; prepares written reports on transportation engineering-related projects; represents City in community meetings; coordinates transportation engineering-related activities with other City departments and divisions; trains and evaluates assigned staff.; performs related duties and responsibilities as required.

MINIMUM QUALIFICATIONS

Knowledge of:

Principles and practices of traffic engineering, vehicle codes and design standards.

Traffic signal operations, timing, coordination and space diagrams.
Preparation of designs, plans, specifications and estimates.
Construction materials, methods and practices as related to traffic engineering.
Principles and practices of project management.
Techniques for preparing reports and recommendations related to public works;
Municipal operations relating to other City departments and divisions.
Pertinent Federal, State and local laws, codes and regulations.

Ability to:

Perform complex traffic engineering duties including design work and the preparation of specifications and drawings.
Coordinate and participate in overall transportation planning.
Conduct, review and analyze traffic studies for proposed developments.
Review plans, maps, specifications and other work for accuracy and conformance with established traffic engineering practices.
Serve as project manager in the planning, design and construction of major transportation improvement projects associated with outside agencies.
Supervise, train, and evaluate assigned staff.
Analyze and recommend traffic and transportation policies and standards.
Prepare clear and concise reports.
Prepare funding applications for State and Federal funding programs.
Communicate clearly and concisely, both orally and in writing.
Establish and maintain effective relationships with those contacted in the course of work.

EXPERIENCE AND TRAINING QUALIFICATIONS

Experience:

Six years of increasingly responsible traffic engineering experience including two years of supervisory responsibility.

Training:

Equivalent to a Bachelors degree from an accredited college or university with major course work in traffic engineering, civil engineering or a related field.

License or Certificate

Possession of registration as a Professional Engineer in Traffic Engineering in the State of California.

WORKING CONDITIONS

Environmental Conditions:

Office environment.

Physical Conditions:

Essential functions may require maintaining physical condition necessary for sitting for prolonged periods of time; visual acuity to read and interpret engineering specifications and drawings.

