CITY OF OCEANSIDE

REVISED: JAN 2006
CLASS CODE: 2510CE
UNIT: OCEA

TRAFFIC ENGINEERING TECHNICIAN

*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, performs traffic engineering work; participates in overall transportation planning including the review of proposed developments, evaluation of traffic impacts and resolution of mitigation measures; to perform complex traffic engineering work in the design, construction and maintenance of transportation related facilities; and performs related work as assigned.

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.*

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; performs 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; prepares written reports on transportation engineering projects; participates in overall transit planning for the City; conducts special studies; analyzes and recommends traffic and transportation policies and standards; prepares written reports on transportation engineering-related projects; 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.
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.
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.

Prepare clear and concise reports.
Communicate clearly and concisely, both verbally and in writing.
Establish and maintain effective relationships with those contacted in the course of work.

EXPERIENCE AND TRAINING GUIDELINES

Experience:

Three years of increasingly responsible traffic engineering experience.

Training:

A Bachelor's degree, with major course work in traffic engineering, civil engineering or a related field.

License:

Possession of registration as a Professional Engineer in Traffic Engineering in the State of California. A current, valid, California driver's license.

WORKING CONDITIONS

Environmental Conditions:

Office environment; computer screen exposure.

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.