CITY OF RIDGECREST Date Adopted: 9/21/2016

TRAFFIC ENGINEER

DEFINITIION

Under direction, is responsible for participating in and is in charge of varied and difficult professional engineering work of the more advanced level, including research, design and construction of traffic control facilities and other engineering projects; performs other work as required.

CLASS CHARACTERISTICS

This class reports to the department director and is responsible for planning, managing, and directing the work of a section of the Public Works department staffed by sub-professional and engineering staff.

ESSENTIAL FUNCTIONS

These functions may not be present in all positions in multiple position classes. When a position is to be filled, the essential functions will be noted in the announcement of position availability.

Conducts a wide variety of traffic studies including origin and destination, travel time, accidents, transit, volume, capacity, parking, and pedestrian surveys or operational or planning application

Confers with technical groups on traffic problems.

Gives information to the public.

Analyzes traffic accident tabulations and makes recommendations for accident prevention.

Develops plans for major civil engineering projects.

Designs and theorizes a wide variety of projects related to municipal improvements.

Makes work estimates, figures quantities, and makes a variety of decisions requiring technical and professional knowledge of engineering principles, methods and techniques.

Supervises in the drawing of plans, writing specifications, making preliminary or constructional layouts.

Inspects construction work in progress and upon completion.

QUALIFICATIONS

Education and/or Experience

Any combination of formal and informal education and experience that would demonstrate the knowledge, skills and abilities as outlined above is qualifying. A typical way to obtain the knowledge and skills is: A Bachelors' degree from an accredited College or University in civil engineering or closely related field, and five years of responsible professional engineering experience, including professional experience in traffic engineering and municipal public works activities, and including two years in supervising other engineering personnel; or an equivalent combination of training and experience which provides the capabilities to perform the described duties.

Knowledge, Skills, and Abilities

Considerable knowledge of the principles and practices of engineering; considerable knowledge of fundamentals of traffic engineering control and regulation, including the various methods and devices used in modern traffic control; knowledge of traffic control and safety devices: knowledge of the California Vehicle Code; ability to conduct traffic engineering studies, prepare reports of modern methods and techniques applied to the design, construction, and maintenance of public works; good knowledge of the strength, properties and uses of construction materials; good knowledge of effective supervisory techniques.

Ability to communicate clearly and concisely, both orally and in writing; ability to perform technical research work and provide supervision and advise on difficult engineering problems; ability to design a variety of public works structures with skill and accuracy; ability to use engineering and drafting instruments; ability to make accurate drawings and maps, and to prepare technical reports; ability to make difficult mathematical calculations and keep neat and accurate field notes.

Special Requirements

Possession of or ability to obtain a Class C California driver's license and a satisfactory driving record. Possession of a valid certificate of registration as a Professional Engineer issued by the California State Board of Registration for Civil and Professional Engineers, or Traffic Engineers, is required.

PHYSICAL PROFILE: Category I; 4, 5, 6, 7, 12, 13, 18, 19, 20.