

TRAFFIC TECHNICIANDEFINITION

Under general supervision, performs difficult and responsible investigative and sub-professional engineering work in the collection, analysis and interpretation of data and the performance of technical assignments pertaining to traffic control operations and traffic engineering design activities.

ESSENTIAL FUNCTIONS INCLUDE BUT ARE NOT LIMITED TO

Conducts field studies and surveys to obtain measurements of characteristics needed in roadway design, traffic control, traffic safety, parking and other traffic engineering projects; compiles, analyzes and interprets traffic accident data, prepares collision and street condition diagrams, and maintains accident records and maps; prepares roadway signing and striping plans, signal timing charts, time/space diagrams, and routine plans, specifications and cost estimates for various traffic engineering projects; investigates, analyzes and prepares technical reports with recommendations on signs and signal installations, signal timing, various street and curb zone markings, safety hazards and other traffic related matters; makes signal timing adjustments and recommends traffic control and safety improvements; assists in the inspection of traffic related construction and installation projects and street striping and channelization work; monitors signal maintenance work performed by contractors; may assign and supervise the work of subordinate level technicians and clerical personnel; performs other functions as assigned.

DISTINGUISHING FEATURES OF THE CLASS

Positions in this classification require the application of specialized technical experience and knowledge and the use of independent judgment and initiative in developing work methods, in seeking solutions to problems, and in dealing with the general public. Supervision may be exercised over a small number of subordinate level technicians and clerical personnel.

RECOMMENDED MINIMUM QUALIFICATIONS

Two years of sub-professional traffic engineering experience supplemented by completion of the equivalent of two years of college course work in engineering, mathematics or related field including courses in algebra, geometry and trigonometry (additional college education may be substituted for one year of the required experience on the basis of one year of college for six months of experience); or any equivalent experience and training in the proportions specified which provides the desired knowledge, abilities, and skills.

DESIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Thorough knowledge of: nomenclature, symbols, practices and instruments used in traffic engineering investigation and subprofessional design work.

Working knowledge of: mathematics through trigonometry; use of logarithmic, trigonometric and curve data tables, slide rules and calculating machines; traffic engineering maps, diagrams and records; and equipment used in traffic control.

Ability to: make independent investigations and perform technical research; perform difficult calculations with speed and accuracy; prepare comprehensive technical reports and complete plans, specifications and estimates of routine traffic-related construction and installation projects; inspect contractor's work and effectively secure compliance with plans and specifications; layout, assign and supervise the work of others; and meet and deal tactfully and effectively with the public.

Skill in: the use of traffic engineering equipment and drafting instruments.

SPECIAL REQUIREMENT:

Possession of a valid California Driver's License.

CHARACTERISTICS OF SUCCESSFUL PERFORMERS

Class title established per Council Resolution No. 73-153,  
effective 1-1-74

Class specification revised: 4/94

ADA Approved: 4/94