

CLASS SPECIFICATION FOR
Traffic Engineer

GENERAL STATEMENT OF DUTIES: Plans and directs the County traffic programs and coordinates traffic engineering functions with the activities of other agencies and private organizations in matters affecting traffic movement and safety; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: This work involves the application of professional engineering knowledge and skills to direct the County traffic engineering program, which includes design, construction, and maintenance. The incumbent directs and coordinates the activities of subordinate professional, technical, and clerical assistants. Work is under general supervision of the Assistant Director of Public Works and is reviewed upon completion for conformance to departmental rules and regulations. Assignments are usually broad in scope with opportunity for the use of independent professional judgment.

EXAMPLES OF WORK (illustrative only):

- Plans, organizes and directs the traffic engineering program of the County;
- Collaborates with other County departments and bureaus, transit companies and trucking firms on all phases of their operations pertaining to traffic movement, street construction, maintenance, lighting and street transportation;
- Attends meetings of and confers with Board of Supervisors, County Manager, department heads, and other public and private officials and organizations on matters related to traffic movement and parking;
- Recommends traffic routing changes based on traffic routing and speed surveys;
- Prepares and monitors program budgets;
- Reviews and approves applications for construction of all buildings which may become major traffic generators such as garages, etc.;
- Reviews and approves the functional elements of all plans for construction or reconstruction of street facilities, roadways, bridges, and grade separations;
- Assists other agencies and private organizations in the planning of special educational programs relative to the safe and efficient operation of street traffic systems;
- Performs related work as assigned.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Extensive knowledge of mathematics and statistics; extensive knowledge of the principles of traffic engineering; extensive knowledge of the design and operation of traffic signal systems and other control facilities; extensive knowledge of the techniques of traffic regulation and control; extensive knowledge of the design and utilization of traffic signs and markings and of the use of traffic surveys and the techniques and procedures involved; extensive knowledge of the planning of traffic systems and parking facilities; ability to plan, organize and supervise a County traffic engineering program and to coordinate the traffic engineering program with related activities of other agencies and of public and private organizations.

MINIMUM EDUCATION AND EXPERIENCE: Possession of a bachelor's degree in civil engineering or a related field and five (5) years of responsible professional traffic engineering experience; OR, any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

This is a class specification and not an individualized job description. A class specification defines the general character and scope of duties and responsibilities of all positions in a job classification, but it is not intended to describe and does not necessarily list the essential job functions for a given position in a classification.