

CLASS SPECIFICATION FOR
Traffic Engineering Technician

GENERAL STATEMENT OF DUTIES: Performs technical and/or supervisory paraprofessional engineering assignments related to the traffic engineering function of the Department of Public Works; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: An employee in this class is responsible for preparing, reviewing and scheduling technical paraprofessional traffic engineering projects. Considerable independent judgment is exercised in planning and carrying out assignments. General supervision is received from the Assistant Traffic Engineer.

EXAMPLES OF WORK (illustrative only):

- Prepares preliminary designs for less-complex Public Works improvements, including small relocations and extensions of roadways, minor pavement widening or resurfacing, and channelization;
- Lays out and prepares more complex engineering drawings;
- Prepares preliminary and final plans for traffic engineering construction and/or signalization projects;
- Calculates quantities and cost estimates for electrical as well as civil engineering items;
- Prepares drafts of engineering specifications;
- Schedules, directs and supervises subordinate technical personnel engaged in a significant engineering analysis program;
- Conducts inspection and materials testing activities for traffic signal installations;
- Schedules, assigns, and checks work of engineering survey crew and office drafting section;
- Analyzes traffic problems and designs major traffic engineering projects;
- Assists professional personnel as directed and as necessary;
- Performs related work as assigned.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES: Knowledge of traffic engineering terminology, techniques and practices; knowledge of elementary civil engineering principles and practices and of advanced mathematics; ability to plan, direct and supervise work of subordinates; ability to prepare complex engineering drawings; ability to develop and maintain good working relationships with co-workers, outside contractors, engineers, and the public; ability to work with a computerized signal system.

MINIMUM EDUCATION AND EXPERIENCE: Graduation from high school supplemented by courses in engineering or engineering technology and three (3) years of paraprofessional engineering work, preferably related to traffic engineering; OR, any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

ADDITIONAL REQUIREMENT: Possession of a valid Virginia Commercial driver's license, with endorsements and without restrictions.

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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.