

SENIOR ENGINEERING TECHNICIAN (TRAFFIC)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this class performs advanced level non-professional traffic engineering work including field studies; installation and maintenance of traffic control devices, highway signs and markings; record keeping; computations; drafting; and drafting reports. Supervision is not a responsibility of this position, although incumbents may function as a lead technician over non-professional field and office staff providing technical guidance and training. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Performs traffic counts, intersection turning movements, and other traffic field studies;

Participates in determining appropriate locations for traffic counter devices, and oversees their installation;

Prepares drawings of sign installations, accident diagrams, geometric designs and directional signs;

Conducts computational studies of vehicular and pedestrian volume;

Utilizes vehicle-mounted instruments to determine maximum speeds on curves and at intersections;

Determines sight distances;

Oversees the installation of traffic signs and pavement markings;

Conducts investigations of traffic complaints received by the department;

Meets with local officials and citizens concerning traffic engineering problems and complaints;

Assists the Traffic Engineer in the layout of channelization work;

Performs maintenance on traffic signal and access control devices;

Maintains traffic, accident and related records;

Participates in the installation of experimental traffic devices and instruments;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks as needed.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of the principles and practices of traffic engineering; good knowledge of surveying practice and theory; good knowledge of drafting techniques; ability to make moderately complex sketches, maps, plans and mathematical computations; ability to follow complex oral and written instructions; ability to establish effective working relations with public officials and the public; ability to read, write, speak, understand and communicate in English sufficiently to perform the essential tasks of the position; ability to effectively use computer applications such as spreadsheets, word processing, e-mail and database software; good judgment; accuracy; reliability; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Possession of a high school or equivalency diploma and either: (a) completion of a two year course in engineering technology at a recognized post high school, trade or technical school and two years experience in the field of traffic engineering or a related field; or (b) four years experience in the field of traffic engineering or a related field; or (c) a satisfactory equivalent combination of the foregoing training and experience.

SUBSTITUTION: Satisfactory completion of 30 credits toward a Bachelor's Degree* in Engineering may be substituted for each year of the required experience, up to a maximum of three years.

SPECIAL REQUIREMENT: Possession of a valid license to operate a motor vehicle in the State of New York.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution accredited or recognized by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered when evaluating experience.