

PRINCIPAL ENGINEERING TECHNICIAN (TRAFFIC)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent oversees and performs advanced level non-professional traffic engineering work. An incumbent is responsible for overseeing the performance of non-professional engineering work related to construction, installation and design of traffic control devices (traffic signals, traffic signs and pavement markings), building access and parking control systems, and conducting studies related thereto. An incumbent of this position is required to exercise a considerable amount of independent judgment in areas where policies have already been established. Oversight is exercised over the work of a number of non-professional workers involved in traffic engineering work. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Responds to inquiries from local governments and citizens concerning the need for and revision of traffic control devices including interviews with appropriate persons, gathering pertinent traffic data and recommending appropriate action in accordance with provisions of New York State Vehicle and Traffic Law;

Assigns, instructs and monitors traffic engineering technical staff performing traffic signal maintenance, highway signs and markings, traffic accident records and vehicular and pedestrian counts;

Assists local government officials in the application process for federal and state grants available for demonstrated traffic control devices;

Prepares or assists in the preparation of installation plans, inspection of actual installation and the time and operation of traffic signals, and building access and parking control systems;

Provides technical data to staff assigned to Traffic Safety Board relating to statistical and procedures for traffic control devices;

Participates in the preparation of budget information;

Prepares reports required by Federal and State agencies for program reimbursement;

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: Thorough knowledge of current traffic engineering standards; thorough knowledge of those provisions of the Vehicle and Traffic Law applicable to traffic control devices; good knowledge of the Manual of Uniform Traffic Control Devices; good knowledge of the guidelines and procedures required to obtain federal and state funding for traffic control devices; good knowledge of the principles of accident investigation; ability to use computer computer applications such as spreadsheets, word processing, calendar, e-mail

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: (Continued)

and database software; ability to meet and deal with people effectively; ability to oversee the work of others; ability to investigate traffic control issues; ability to assemble appropriate data, and determine proper signal sequence; ability to communicate effectively both orally and in writing; understand, and communicate in English sufficiently to perform the essential duties of the position; accuracy; reliability; resourcefulness; resourcefulness; good judgment; tact; accuracy; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Graduation from high school or possession of an equivalency diploma and either (a) completion of a two year course in civil, construction, electrical, or mechanical engineering or technology at a recognized post high school, trade or technical school, and four years experience in non-professional engineering in which the primary function of the position was work related to construction, installation and design of traffic control devices (traffic signals, traffic signs and pavement markings), building access and parking control systems, and conducting studies, traffic design and administration; or (b) six years experience as described in (a); or (c) a satisfactory equivalent combination of the foregoing training and experience.

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

SUBSTITUTIONS: College education toward a Bachelor's Degree* in civil, construction, electrical or mechanical engineering or technology may be substituted at the rate of 30 credit hours for one year of 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.

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