

PRINCIPAL ENGINEERING TECHNICIAN (CONSTRUCTION)

GENERAL STATEMENT OF DUTIES: Supervises and performs non-professional engineering work; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, performs responsible engineering work related to construction, reconstruction, repair and inspection of a municipality's projects, including buildings, roads, bridges, water and wastewater facilities, and utilities. An incumbent reviews plans and specifications and projects to ensure that materials, methods and results conform with engineering principles, standards, contract specifications, etc. Generally, this position differs from the Principal Engineering Technician (Civil) in that this position spends a more significant amount of time in the field inspecting projects, while the Principal Engineering Technician (Civil) spends more time in the office in planning, design, specification writing and administration. Supervision may be exercised over a number of technical employees.

EXAMPLES OF WORK: (Illustrative Only)

Supervises the construction, reconstruction, and inspection of construction projects according to contracts issued by the municipality for roads, bridges, buildings, water and wastewater facilities, and utilities;

Coordinates the operations of contractors;

Insures adherence to specifications and standards; inspects and reports on property maintenance for repair;

Recommends contract change orders;

Reports on construction progress;

Interprets drawings and specifications to contractors;

Prepares or supervises the preparation of monthly and final estimates; participates in pre-construction conferences;

Uses computer application software in the performance of the job.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of construction practice and theory as it applies to the construction/reconstruction of buildings, roads, bridges, water and wastewater facilities and utilities; good knowledge of the modern methods, techniques and equipment used in construction; good knowledge of construction estimating; ability to get along well with others and deal effectively with contractors; ability to follow complex oral and written instructions; **ability to use computer application software;** accuracy; reliability; resourcefulness; good judgment; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) completion of a two-year course in engineering or construction technology or related field at a recognized post high school, trade or technical school and four years of experience in the field of construction or engineering technology; or (b) graduation from high school or possession of an equivalency diploma and six years of paid experience in the field of construction or engineering technology; or (c) a satisfactory equivalent combination of 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 in a related field may be substituted at the rate of 30 credit hours for one year of experience up to a maximum of four years.