

ENGINEER IV*

DISTINGUISHING FEATURES OF THE CLASS: This is professional engineering work of a complex nature involving responsibility for the development, construction, maintenance, operation or inspection of public works engineering projects, as well as other appropriate engineering duties that may be assigned. The specific activities depend on the area of assignment (e.g. public roadways, streams, bridges, drainage projects). The work is performed under the general supervision of a higher-level administrator and in accordance with established engineering practices. Supervision is provided to professional, technical and/or clerical employees. Does related work as required.

TYPICAL WORK ACTIVITIES:

Supervises and participates in the preparation, review and revision of plans, specifications and designs of proposed engineering projects;
Directs preliminary studies, investigations, estimates and the preparation of drawings of proposed engineering projects;
Acts as liaison between the department and other governmental agencies, utilities, private industries, engineering firms and the general public;
Reviews and approves construction plans and specifications submitted for all new development adjacent to Town or County roads, including drainage systems, grades, curvatures, roadway widths, roadway improvements, appropriate access to roads, etc.;
Supervises staff and inspection of construction and work performed under department permits and contracts;
Supervises staff and inspection of roadway conditions, pavement markings, signs, channelization of traffic, etc.;
Performs technical research and prepares reports of findings;
Prepares bidding sheets for purchase of materials and equipment;
Reviews specifications of private contractors;
Supervises and directs inspection of miscellaneous work performed by private contractors;
Directs issuance of permits for roadway openings, street closing, driveways, etc.;
Directs activities to maintain a pavement-managing program;
May perform a variety of other engineering work (e.g. design, bridge inspections).

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of the principles, practices and terminology of engineering and construction methods and materials; thorough knowledge of modern methods and techniques as applied to the construction and maintenance of public works structures and facilities; thorough knowledge of engineering research and economics; ability to plan, lay out and supervise engineering activities; ability to resolve engineering problems; ability to communicate effectively both orally and in writing; ability to establish and maintain cooperative relations with others.

MINIMUM QUALIFICATIONS: A Professional Engineer's License (PE) issued by the State of New York and three (3) years of post-licensure engineering experience.

PROMOTION: One year of permanent status as an Engineer III.

SPECIAL REQUIREMENT: Must maintain the Professional Engineer's license (PE) issued by the State of New York throughout the course of employment in this title.

*This reflects a retitling of Engineer IV (Highway) with the County of Rockland.