

## VILLAGE ENGINEER

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for performing and serving as an advisor to the Department of Public Works, Light and Water Department personnel on various engineering and technical based operational projects and issues. The work is performed under the general supervision of the Mayor and Village Board with leeway allowed for the exercise of independent judgment in carrying out the details of the work. The incumbent does not supervise others, but may oversee work projects. Does related work as required

### **TYPICAL WORK ACTIVITIES:**

- Prepares, reviews, and revises plans, specifications and designs public works projects.
- Inspects construction sites to verify both in progress and completed projects.
- Performs manual and computer aided design and analysis of public works projects.
- Locates underground utilities.
- Performs survey and other field work to lay out projects or gather information.
- Utilizes a variety of technical equipment and tools including engineering software, global positioning equipment, surveying equipment and pipe locating equipment.
- Performs and verifies algebraic, geometric, and trigonometric calculations.
- Consults with contractors, municipal officials and others involved parties to coordinate changes in public works projects.
- Meets with the public and/or media to explain public works projects.
- Advises Village on engineering problems.
- Creates and maintains a variety of records and reports.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:**

Good knowledge of modern engineering principals, practices, equipment and terminology; good knowledge of algebra, geometry, and trigonometry; working knowledge of federal, state, and local laws, rules and regulations relative to public works projects; working knowledge of municipal geography; skill in using manual and computer aided drafting and surveying equipment; ability to operate a computer and utilize computer aided design and other engineering software; ability to understand and interpret complex oral instructions and/or written directions; ability to analyze and organize data and prepare written reports; ability to perform close, detail work involving considerable visual effort and concentration; ability to communicate effectively with the public; physical condition commensurate with the demands of the position.

### **MINIMUM QUALIFICATIONS:** Either

- (A) Graduation from a regionally accredited or NYS registered four year college or university with a Bachelor's Degree in Civil, Mechanical, or Electrical Engineering and one (1) year of experience in surveying, drafting and design, construction site inspection or other professional engineering work; or
- (B) Graduation from a regionally accredited or NYS registered college with a Associates Degree in Civil, Mechanical, or Electrical Engineering and three (3) years of experience in surveying, drafting and design, construction site inspection or other professional engineering work;
- (C) An equivalent combination of training and experience as defined by the limits of (A) and (B).