

Civil Division: Town of New Hartford  
Jurisdictional Class: Competitive  
EEO Category: Technicians  
Revised: 11/07/17

## **SENIOR ENGINEERING TECHNICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** An employee in this class is responsible for the more difficult subprofessional assignments in civil engineering work, including supervision of field survey parties, and the inspection of construction work and materials. Assignments received orally or in writing are of a general nature. Supervision may be regularly exercised over subordinate Engineering Aides and other lower ranking personnel. The work is subject to review in process and upon completion by professional engineering personnel. This class is distinguished from that of Engineering Aide by reason of the greater degree of independence with which an employee works, the higher technical skills required and the increased supervisory responsibilities. The incumbent performs related work as required.

### **TYPICAL WORK ACTIVITIES:** (Illustrative Only)

Serves as chief of field party in topographic land survey or hydrographic survey;  
Supervises survey work; takes notes and makes sketches;  
Assumes responsibility for work results in progress of field party;  
Assists engineers by inspecting portions of construction projects;  
Makes and checks engineering drawings on minor projects;  
Receives records, charts and statistical information from the field;  
Prepares detailed reports for professional engineering superiors.

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

Thorough knowledge of the principles, techniques and practices of land survey;  
Thorough knowledge of the principles, practices and instruments used in engineering drafting; Good knowledge of mathematics through trigonometry, and its application to field surveying and engineering computations; good knowledge of construction specifications and their application to public works construction; skill in the use of engineering instruments and equipment; ability to perform difficult technical computations, and to make estimates and tests; ability to supervise others; sound judgment; sufficient physical stamina to work outdoors occasionally under adverse weather conditions; physical condition commensurate with the demands of the work.

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page two

**MINIMUM QUALIFICATION:** Candidates must meet minimum qualifications at time of application.

Either:

- A. Graduation from a regionally accredited or New York State registered college or technical institution with an associate's degree in engineering science, civil or architectural engineering technology; **OR**
- B. Graduation from high school and two (2) years of experience assisting in engineering work.

Adopted: 02/09/82  
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