

## **ENVIRONMENTAL ENGINEERING TECHNICIAN**

**LOCATION:** Tioga County Soil & Water Conservation District  
**CLASSIFICATION:** Competitive  
**SALARY:** To be determined  
**ADOPTED:** 01/02/2019, Tioga County Department of Personnel & Civil Service

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for completing difficult sub-professional engineering assignments within the Tioga County Soil & Water Conservation District. Through the skilled use of various software programs or systems, the incumbent works closely with a professional engineer to carry out work duties and district projects. Duties include, but are not limited to, computation work, technical writing, design and detailing of engineering drawings, construction engineering, assisting with site surveys, record keeping, and project estimating. Work projects involve agriculture, stream, or wetland construction projects. The incumbent works under the direct supervision of the District Manager. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (Illustrative only)

- Performs tasks associated with construction implementation, including but not limited to: planning, designing, installation of agriculture for various stream and/or wetland projects;
- Prepares and executes engineering designs in AUTOCAD / Carlson software;
- Assists professional engineer with site surveys and construction inspections;
- Performs environmental quality work in field or office setting;
- Maintains various engineering files;
- Prepares related reports

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Good knowledge of the principles, practices and techniques of drafting and surveying, and construction inspection; good knowledge of the principles of civil engineering; good knowledge of arithmetic, algebra, geometry, trigonometry and their applications; good knowledge of the procedures and instruments used in drafting including AUTOCAD software; ability to make accurate engineering drawings; ability to understand and follow oral and written directions; ability to perform routine inspections; ability to use computer software involving use of spreadsheets and databases; mechanical aptitude; accuracy; willingness to work outdoors under adverse weather conditions; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Either:

- a) Graduation from a regionally accredited or New York State registered college or university with an Bachelor's Degree in Civil Engineering technology or a closely related field; OR
- b) Graduation from a regionally accredited or New York State registered college or university with an Associate's Degree in Civil Engineering or closely related field and two (2) years of full-time paid experience or its part-time equivalent in the field of surveying and design; OR
- c) An equivalent combination of training and experience as defined by the limits of a) and b).

**SPECIAL REQUIREMENT:** Possession of an appropriate class New York State driver's license at the time of appointment and throughout duration of employment.