

Erie County Soil & Water Conservation District

CONSERVATION DISTRICT ENGINEER

DISTINGUISHING FEATURES OF THE CLASS:

The work involves responsibility for advanced professional engineering work in rendering opinions and decisions on technical aspects of a wide variety of soil and water conservation practices. The incumbent will make field surveys to investigate and evaluate various engineering projects related to natural resource conservation and agriculture. Work is performed under the general direction of a higher level administrative employee. Supervision may be exercised over a number of engineering and/or technical personnel. Does related work as required.

TYPICAL WORK ACTIVITIES:

Reviews and makes comments on specific engineering studies; Directs and investigates planning and layout of various engineering projects;
Coordinates engineering studies with federal, state and other agencies;
Assists in developing policy on research and engineering for the District;
Interprets federal and state guidelines and requirements as related to conservation projects to confirm procedures and information necessary to satisfy federal and state agencies;
Makes field surveys to collect data and make evaluations;
Prepares costs estimates for construction projects;
Directs the inspection of major construction projects;
Assigns and directs survey teams;
Prepares engineering drawings for projects connected with District plans and projects from surveys either manually or with CAD, CADD, or other computer programs;
Develops, approves and certifies designs for natural resource conservation projects to include but not limited to: agricultural waste management systems and streambank stabilization to meet or exceed USDA-NRCS standards and specifications
Participate in public education and outreach efforts

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Comprehensive knowledge of engineering field techniques; thorough knowledge of principles, techniques and terminology of civil engineering; thorough knowledge of drafting techniques, terminology and equipment; thorough knowledge of principles of physics and mathematics as applied to engineering; thorough knowledge of techniques and sources of information concerning engineering research and economics; working knowledge of computer applications in the design and analysis of civil engineering projects; ability to perform complex technical engineering computations rapidly and accurately; ability to perform complex technical engineering studies and to prepare detailed, analytical reports; ability to prepare detailed cost estimates, drawings and specifications; ability to plan and supervise the work of technical staff; ability to get along well with others; sound professional judgment; initiative and resourcefulness; industry and dependability; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- A) Graduation from a regionally accredited or New York State registered four (4) year college or university with a Bachelor's degree in Civil Engineering and six (6) years of civil engineering experience; or:
- B) Graduation from high school or possession of a high school equivalency diploma and twelve (12) years of civil engineering experience; or:
- C) An equivalent combination of training and experience as defined by the limits of (A) and (B).

NOTE:

A Master's degree in Civil Engineering may be substituted for one (2) year of the required civil engineering experience.

SPECIAL REQUIREMENTS:

Eligibility for a license to practice as a Professional Engineer in New York State at the time of application; possession of the license at the time of permanent appointment.

SALARY/BENEFITS:

Provisional appointment pending civil service exam. Salary range is \$56,000 - \$64,000 commensurate with experience. Benefits include NYS retirement, NYS Deferred Compensation, 75% health insurance, and vacation.

APPLICATION PROCESS:

Send resume by February 24, 2011 to:

Personnel Committee
Erie County Soil and Water Conservation District
50 Commerce Way
East Aurora, NY 14052