

SENIOR CIVIL ENGINEER - WATER DISTRIBUTION

Code No.: 3-14-096

COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an important engineering position involving the responsibility for the design and construction of facilities undertaken by the Monroe County Water Authority Engineering and Distribution Department. Works under the general supervision of the Director of Engineering and Distribution with latitude to exercise independent judgment in applying engineering principles. Direct supervision is exercised over Administrator of Rights of Way, Civil Engineers and Environmental Technicians. General supervision is exercised over Assistant Civil Engineers, Engineering Technicians and Drafting Technicians. Must be available on a rotating basis on weekends and holidays for the resolution of system problems related to the operation and maintenance of the distribution system. Does related work as required.

TYPICAL WORK ACTIVITIES:

Supervises and assists in preparation of plans and specifications for water distribution construction projects;

Reviews and approves engineering personnel project assignment;

Represents Monroe County Water Authority at critical meetings relating to construction projects attended by Federal, State, County and Town agencies and other utilities;

Interprets and enforces specifications on all construction projects;

Researches and conducts engineering surveys related to construction projects, e.g., selection of most economic route for new water main;

Reviews completed plans to show work as constructed;

Performs flow testing and hydraulic network analysis of the distribution system including the development and maintenance of a computerized model of the system;

Reviews Engineer's Estimates for payments to contractors working for Monroe County Water Authority;

Supervises review of developer projects;

Prepares the annual Engineering Division Budget;

Assists in the preparation of Capital Improvement and Renewal/Replacement Annual Budgets for the Engineering and Distribution Department;

Prepares annual employees' evaluation reports;

Oversees acquisition of land and easements for construction projects.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Thorough knowledge of Civil Engineering practices as related to design and construction of public water distribution facilities; thorough knowledge of hydraulic network analysis techniques; good oral and written communication skills; ability to supervise personnel for timely accomplishment of goals; ability to make and interpret engineering plans and specifications; ability to make engineering computations and prepare technical reports; ability to conduct engineering research work and surveys; integrity; good judgment; tact in dealing with Government Agencies, contractors, consumers and owners; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from a regionally accredited or New York State registered college or university with a Bachelor of Science degree in Sanitary or Civil Engineering, plus six (6) years paid of full-time experience in water facility engineering and/or construction.

PROMOTIONAL REQUIREMENTS:

Continuous service on a permanent basis for twenty-four (24) months in the position of Civil Engineer for the Monroe County Water Authority.

SPECIAL REQUIREMENTS:

Eligibility for a New York State Water Distribution System Operator's license. Possession of license at time of appointment.

NOTE: A Master's degree in Sanitary and Civil Engineering may be substituted for one (1) year of experience.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES:

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

REVISED: May 21, 1981

REVISED: May 5, 1983

Reviewed: 1/6/87