

CONSTRUCTION ENGINEER

Code No. 4-14-142
COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is an engineering position responsible for overseeing and coordinating construction projects. The Construction Engineer works with project engineers, resident engineers, inspectors, and contractors to review facilities for conformance with specifications and established standards, resolve disputes, coordinate projects with other construction ventures and approve cost estimates or payment requests. This position regularly requires field work at construction job sites. The employee reports directly to and works under general supervision of a higher level engineering staff member with considerable leeway allowed for the exercise of independent judgment and the application of professional engineering standards. General supervision is exercised over a subordinate professional and technical staff. Does related work as required.

TYPICAL WORK ACTIVITIES: (All need not be performed in a given position. Other related activities may be performed although not listed.)

Oversees and coordinates a variety of construction projects to ensure conformity with approved plans and specifications, and other requirements;

Consults with project engineers, resident engineers, inspectors, and contractors to clarify questions, resolve disputes, discuss work progress and coordinate project work with other construction activities;

Prepares necessary correspondence concerning construction projects;

Reviews and approves construction contractors' estimates and consulting engineers' billings for payment;

Reviews engineering plans and specifications during design phase for constructability and conformance with established standards;

Trains, supervises, reviews and evaluates the work of a technical and engineering staff;

Develops capital and operating budgets;

Maintains activity records and prepares a variety of engineering summaries and reports;

Investigates complaints and responds to inquiries concerning construction work in progress or completed;

Participates in inspection activities.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL

CHARACTERISTICS: Good knowledge of engineering and construction practices and procedures; good knowledge of inspection and testing techniques related to construction engineering; good knowledge of engineering design techniques; ability to understand engineering plans, specifications and estimates; ability to coordinate the work of inspection crews; ability to work well with project engineers, resident engineers, inspectors, contractors and other personnel associated with construction projects; supervisory ability; ability to maintain engineering related records; ability to prepare engineering reports and correspondence; ability to work outdoors; organizational ability; good judgment; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma;
PLUS:

(A) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree in Civil, Mechanical, Electrical, Sanitary or Construction Engineering/Technology, or Architecture plus four (4) years paid full-time or its part-time equivalent experience in engineering work involving one or more of the following: surveying, project design, drafting, construction inspection and public works construction, two (2) years of which shall have been in a supervisory capacity, OR;

(B) Graduation from a regionally accredited or New York State registered college or university with an Associate's degree in Civil, Mechanical, Electrical, Sanitary or Construction Engineering/Technology, plus six (6) years paid full-time or its part-time equivalent experience as described in (A) above, two (2) years of which shall have been in a supervisory capacity; OR,

(C) Any equivalent combination of training and experience as defined by the limits of (A) and (B) above.

SPECIAL REQUIREMENTS:

If you are appointed, you will be required to have a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

Depending on the position duties, candidates for employment with the Monroe County Government will be required to pass a pre-employment drug test.

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.

ADOPTED: May 11, 1989

REVISED: November 9, 1989

REVISED: December 6, 1990

REVISED: September 17, 1992

REVISED: July 30, 1997