

**DEPARTMENT:** PUBLIC WORKS  
**CLASSIFICATION:** COMPETITIVE  
**APPROVED:** JUNE 13, 2019

**SENIOR TRANSPORTATION ENGINEER**

**DISTINGUISHING FEATURES OF THE CLASS:** The incumbent performs professional engineering work and is responsible for difficult engineering work at the professional level in the design, investigation, control, maintenance, construction and operation of transportation engineering projects. The incumbent exercises independent judgment based on the knowledge of both theory and practice. The work involves the supervision of varying numbers of professional and non-professional employees, when assigned, by laying out tasks, giving instructions as to required procedures, and making checks on the completion of work as are necessary to insure proper performance. Major technical problems are discussed with the Deputy Commissioner of Engineering. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Coordinates engineering studies with federal, state and other agencies;
2. Directs and investigates planning and layout of various engineering projects, including the preparation of conceptual designs and preliminary estimates;
3. Assists with the management of the Locally Administered Federal Aid Program for Highway and Bridge.
4. Interprets federal guidelines and requirements as related to transportation projects to confirm procedures and information necessary to satisfy federal agencies;
5. Reviews planned alterations and construction for structural safety and design;
6. Oversees the preparation of estimates, plans, profiles and specifications;
7. Works as liaison with outside engineers, architects, etc. for the county;
8. Assists with the inspection of major construction projects;
9. Supervises the preparation of right-of-way acquisition maps;
10. Prepares Environmental Impact Statements relative to projects and deals directly with environmental agency professional staff on permit requirements;
11. Prepares reports on activities to County Manager and committees when assigned.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Thorough knowledge of the principles and practices of civil engineering and the sources of engineering information; thorough knowledge of modern methods and techniques as applied to building construction; good knowledge of Locally Administered Federal Aid processes; good knowledge of New York State Department of Transportation standards, specifications and procedures; skill in conducting engineering research work and in writing technical reports of such studies; ability to organize, plan, and layout working details of engineering projects; ability to manage professional and non-professional staff and obtain the cooperation and support of others; initiative and resourcefulness in the solution of engineering problems; tact; mental alertness; industry; physical condition commensurate with the demands of the position.

**CONTINUED**

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**MINIMUM QUALIFICATIONS:** Candidates must meet one of the following qualifications:

1. Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with a Bachelor's Degree in mechanical, civil, or electrical engineering **AND** four (4) years of full-time paid experience in the engineering field, two (2) of which must have been responsible engineering management experience. Two (2) years of experience must have involved highway and/or bridge engineering; **OR**
2. Six (6) years of full-time paid experience in the engineering field, three (3) of which must have been responsible engineering management experience. Three (3) years of experience must have involved highway and/or bridge engineering.

**SPECIAL NOTE:**

Possession of a New York State professional engineering license.