

ENGINEER I

DISTINGUISHING FEATURES OF THE CLASS: This is entry-level professional engineering work of a moderately complex nature involving responsibility for the performance of a variety of duties with respect to the planning, design and inspection of engineering projects. The work is performed under the supervision of a higher-level administrator and work guidance (e.g., lead work) may be provided to lower level technical and/or clerical employees. Does related work as required.

TYPICAL WORK ACTIVITIES:

Plots notes and engineering data;
Designs horizontal and vertical alignments of highway, drainage ways and other such structures;
Develops plans, including topography, cross-sections, profiles and property lines;
Searches for deed data relating to property and acquisition surveys and maps;
Reviews routine designs, computations and plans of other engineers for mistakes and errors;
Designs and prepares bridge construction plans and specifications;
Compiles routine specifications and plans for construction projects;
Performs inspections of public works construction projects and issues routine directives;
Answers inquiries from the public and construction personnel regarding survey monuments, rights-of way, road grades and alignments, etc.;

Performs other related duties as directed by the supervisor;
May contact homeowners to secure rights-of-way and resolve problems.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of the principles and practices and terminology of engineering and construction methods and materials; working knowledge of design equipment and techniques; ability to interpret engineering plans and specifications; ability to prepare reports.

MINIMUM QUALIFICATIONS: A Bachelor's degree or higher in Engineering.

R.C.D.P. (11.13.2024) 01.06.2025
Competitive

11.01.2024 New York State Civil Service approved Non-competitive title in the NY HELPS Program.