

SURVEYOR

DISTINGUISHING FEATURES OF THE CLASS: This is professional and technical work involving responsibility for overseeing and participating in survey work related to highway construction projects, requiring the application of surveying principles (e.g. land acquisition, mapping, highway construction). The work is performed under the direction of the Superintendent of Highways and supervision is provided to professional and technical employees. Does related work as required.

TYPICAL WORK ACTIVITIES:

Develops and coordinates survey procedures and standards;
Determines County rights-of-way and/or easement locations through mapping, field work or office computation;
Oversees activities of employees engaged in survey work and participates in same;
Calculates information needed to conduct surveys from field notes, deeds, maps and other applicable records;
Keeps accurate notes, sketches and records of work performed and data secured;
Prepares maps reflecting data obtained from field survey work;
Oversees the use of global positioning system to establish GPS monuments and related benchmarks;
Uses specialized computer software applicable to survey work (e.g. CAD, GIS);
Prepares reports as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Thorough knowledge of the principles of surveying and their application to civil engineering; thorough knowledge of the instruments used in surveying and drafting, including global positioning systems; thorough knowledge of mathematics and its application to surveying and computations; thorough knowledge of construction practices and materials; ability to prepare complex topographical maps derived from surveys and field computations; ability to determine rights-of-way and/or easement locations; ability to use specialized software for survey work (e.g. CAD, GIS); ability to maintain accurate and complete records of survey findings; ability to supervise the work of others.

MINIMUM QUALIFICATIONS: Possession of a license and current registration to practice as a Professional Land Surveyor issued by the State of New York Department of Education.

SPECIAL REQUIREMENTS:

1. License to practice as a Professional Land Surveyor must be maintained throughout the course of employment in this title.
2. Possession of a valid driver's license appropriate to the kind and size of vehicle to be driven which must be maintained throughout the course of employment in this title.