

SENIOR CIVIL ENGINEER II

DISTINGUISHING FEATURES OF THE CLASS: This is an important administrative and professional engineering position involving planning, directing, and coordinating all work performed by the Engineering Department and such other responsibilities as may be assigned by the Commissioner of Public Works. The work is performed under the administrative direction of the Commissioner of Public Works with policy guidelines and objectives established by the Commissioner of Public Works and the Board of Supervisors. Works in conjunction with the Deputy Commissioner of Public Works to ensure the duties of the Commissioner are fulfilled in the absence of the Commissioner; Direct supervision is exercised over the work of professional and non-professional staff. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

Administration: Administers all phases of the County engineering program within established goals and guidelines; Assists the Commissioner of Public Works in developing departmental goals; Develops and/or assists in the development of departmental plans, policies, and procedures; Assists the Commissioner in establishing and maintaining a bridge management system including an extended maintenance, reconstruction, and replacement plan; Assists the Deputy Commissioner of Public Works to fulfill the duties of the Commissioner in the Commissioner's absence or inability to act; Oversees financial planning in engineering division, including preparation of staffing and funding requirements for inclusion in the annual budget, maintenance of fiscal controls, and submission of required reports; Determines engineering personnel requirements and is responsible for the appointment, training, evaluation, discipline, and termination of staff in compliance with state and local requirements and procedures.

Design/Operations: Performs difficult engineering work at the professional level in the design, investigation, maintenance, construction, and operation of engineering projects, including but not limited to bridge and road repairs, rehabilitation, or construction, building and equipment design, etc.; Oversees the design and preparation of bidding documents and contract plans; Oversees level one inspections and load rating analysis for bridges.

Reporting/Record Maintenance: Prepares and submits reports to NYSDOT as required by law; Supervises the maintenance of BIN files and other engineering records; Prepares and submits Bridge Flag responses, certified load rating summary sheets, and record drawings for bridges that have been rehabilitated or reconstructed.

Education/Training: Attends seminars and short courses as required to keep current with the latest technology, new products, and most economical methods of maintaining and constructing bridges; Oversees the training of employees in the Engineering Department.

FULL PERFORMANCE KNOWLEDGE, 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 highway and bridge construction; Good knowledge of New York State Department of Transportation reporting requirements and formats; Good knowledge of the principles and methods of planning and directing a comprehensive bridge maintenance, construction, and repair program; Working knowledge of the principles and techniques of supervision; Ability to organize, plan, and lay out working details of engineering projects; Ability to write technical reports; Initiative and resourcefulness in the solution of engineering problems; Tact; Mental alertness; Industriousness; Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- A. Professional Engineer's License and current Registration with a Master's degree in Engineering; OR
- B. Possession of Professional Engineer's License and current Registration with Bachelor's Degree and two years of full-time or its part-time equivalent civil engineering experience; OR
- C. Master's degree in Engineering and four years of full-time or its part-time equivalent civil engineering experience; OR
- D. Graduation from a college or university with a Bachelor's degree with major work in engineering and six years of experience in civil engineering work; OR
- E. Graduation from a college or university with an Associate's degree with major work in engineering and eight years of experience in civil engineering work; OR
- F. Graduation from High School and ten years of experience in civil engineering work; OR
- G. An equivalent combination of training and experience as indicated in (A), (B), (C), (D), (E) and (F) above.

SPECIAL REQUIREMENT: Eligibility for license to practice as a professional engineer in New York State and possession at time of appointment. Possession of appropriate level New York State driver's license at the time of appointment, which must be maintained during employment.

Adopted 7/26/07

Revised 5/16/18, 12/29/22, 1/22/25