

**ENGINEER III (OC)**  
**NYS #65-302 RC/EL #21091**

**A \$15 non-refundable application filing fee is required. A check or money order made payable to the Rockland County Commissioner of Finance must accompany the application. Please refer to Supplement A for further information regarding the application filing fee.**

**EXAMINATION TO BE HELD ON JULY 17, 2021- Dates To Be Determined.**

**PLEASE BE ADVISED THAT NO FURTHER APPLICATIONS ARE BEING ACCEPTED FOR THIS EXAMINATION. THIS ANNOUNCEMENT IS FOR INFORMATIONAL PURPOSES ONLY.**

**VACANCIES:** One in the Town of Clarkstown and anticipated vacancy in the Rockland County Highway Department.

An open-competitive as well as a promotion examination will be given on the same day and qualified candidates may also compete therein by filing a separate application for each. The promotion list will take precedence over the open-competitive list in filling vacancies in the agency listed, but upon its exhaustion, the open-competitive list will be used to fill vacancies occurring thereafter for a period of at least one year.

**POSITIONS EXIST IN:** The Town of Clarkstown, the Town of Ramapo and the Rockland County Highway Department.

**RESIDENCE REQUIREMENTS:** Candidates must be legal residents of Rockland County at the time of examination.

**SALARY:** The starting salary is determined by the appropriate labor agreement within the County of Rockland and the Towns where the vacancies exist.

**WHAT THE JOB IS LIKE:** This is professional work of considerable difficulty including responsibility for the preparation, design, development, construction, maintenance, operation, or inspection of public works engineering projects as well as related duties that may be assigned. Work is performed in accordance with established policies permitting wide latitude for independent action and requiring a high degree of professional judgment. The work is performed under the general direction of a higher-level administrator and may involve supervision of engineering, technical and/or clerical employees. Does related work as required.

**MINIMUM QUALIFICATIONS:** By examination date, you must have: A Professional Engineer's license (PE) issued by the State of New York, and two years of post-licensure engineering experience.  
\*Must possess or obtain a Professional Engineer's license (PE) by the time of appointment.

**SPECIAL REQUIREMENT:** Must maintain the Professional Engineer's license (PE) issued by the State of New York throughout the course of employment in this title.

Please submit a copy of your Professional Engineer's license (PE) issued by the State of New York, with your application.

(Official college transcripts must be sent directly from the school to our department no later than August 27, 2020.) Student transcripts are not acceptable.

**NOTE:** Your college degree and/or college credit must have been awarded by a regionally accredited college or university or one recognized by the NYS Education Department as following acceptable educational practices. If your degree and/or college credit was awarded by an educational institution outside the United States and its territories, you must provide independent verification of equivalency. You can write the Rockland County Department of Personnel for a list of acceptable companies who provide this service. **This form is also available on the Rockland County website: [www.rocklandgov.com](http://www.rocklandgov.com).** You must pay the required evaluation fee.

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## **ENGINEER III (OC) #65-302 (CONTINUED)**

### **SUBJECT OF WRITTEN EXAMINATION:**

1. Preparing written material – These questions test for the ability to present information clearly and accurately, and to organize paragraphs logically and comprehensibly. For some questions, you will be given information in two or three sentences followed by four restatements of the information. You must then choose the best version. For other questions, you will be given paragraphs with their sentences out of order. You must then choose, from four suggestions, the best order for the sentences.
2. Principles and practices of civil engineering – These questions test for knowledge of engineering concepts and their practical applications to the construction, operation and maintenance of public works projects, including roadways, bridges, buildings, water and sewage systems and similar types of infrastructure.
3. Engineering plans, specifications and estimates – These questions test for knowledge of and the ability to read and interpret construction drawings and technical specifications, and for the ability to calculate cost and quantity estimates from technical presentations and/or engineering and construction drawings. Knowledge of estimating techniques and the proper method of construction for specified projects will be required.
4. Methods and materials of construction – These questions test for knowledge of the proper procedures and materials used in the construction, maintenance and repair of various types of public works projects, including such typical construction work as excavations, roadways, embankments, and building and related structural improvements.
5. Construction and maintenance of highways, bridges, drainage systems and other related structures – These questions test for knowledge of the engineering concepts, practices, testing procedures, materials and computations used in the installation, repair and upkeep of roadways, overpasses, abutments, retaining walls, embankments, drainage structures and related appurtenances.
6. Principles of project management, including contracts, contract administration and construction economics – These questions test for knowledge of the concepts, terminology, proper procedures and computations used in the planning, scheduling and oversight of contractual agreements for public works projects, including economic and scheduling techniques such as cost/benefit analysis and the critical path method.
7. Supervision – These questions test for knowledge of the principles and practices employed in planning, organizing, and controlling the activities of a work unit toward predetermined objectives. The concepts covered, usually in a situational question format, include such topics as assigning and reviewing work; evaluating performance; maintaining work standards; motivating and developing subordinates; implementing procedural change; increasing efficiency; and dealing with problems of absenteeism, morale and discipline.

### **USE OF CALCULATORS IS RECOMMENDED FOR THIS EXAMINATION**

Unless specifically prohibited, candidates are permitted to use quiet, hand-held solar or battery powered calculators. Devices with typewriter keyboards, "Spell-checkers", "Personal Digital Assistants", "Address Books", "Language Translators", "Dictionaries", "Computers", and any similar devices are prohibited.

The New York State Department of Civil Service has not prepared a test guide for this examination. However, candidates may find information in the publication General Guide to Written Tests helpful in preparing for this test. This publication is available online at: <https://www.cs.ny.gov/testing/testguides.cfm>.

**Date Issued: 04/08/2020**

**Amended Date: 06/02/2021**