



Department of Human Resources & Civil Service

Promotional Exam Announcement

Please Post Conspicuously

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County Executive

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Director

Monroe County Department of Transportation

P-77244

Engineer

Application Fee:

None

Examination Date:

March 3, 2018

Application Deadline:

January 4, 2018 – Applications must be submitted online or filed in our office by 5PM or postmarked by this date

Who May Apply:

Qualified employees of the Monroe County Department of Transportation

Salary:

\$44,814 – \$59,886 annually

Employment Opportunities:

The Monroe County Department of Transportation has one (1) position currently held by a provisionally appointed employee, who may be appointed on a permanent basis if found reachable on a civil service list established as a result of this exam.

The results of this exam may be used to fill vacancies, which may occur during the life of the eligible list.

Minimum Qualifications:

Candidates must be permanently employed in the competitive class at the **Monroe County Department of Transportation** and must have served continuously on a permanent basis for **twelve (12) months** holding the position of **Principal Engineering Aide** immediately preceding the date of the written test.

Any person, otherwise meeting the requirements for an examination, who was laid off from an agency for which the examination is being held, and whose name is presently on a preferred list is eligible to compete in the examination. When completing the application, such person should be sure to indicate his/her present employment and/or the title and location of his/her last permanent employment in the municipality.

Description of Duties:

This is a professional engineering position responsible for a particular civil engineering function, program or project. Work may involve areas of traffic engineering, highway or bridge design or construction, water or sewage systems design, construction or treatment, environmental engineering, or other civil engineering fields. The employee reports directly to and works under general supervision from senior-level engineering staff. Supervision may be exercised over a staff of junior engineers or engineering aides.

Scope of Examination:

The **written, multiple-choice test** will cover knowledge, skills and/or abilities in such areas as:

1. 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.

210 County Office Building, 39 West Main Street, Rochester, NY 14614-1471

PHONE: (585) 753-1700 TTY: (585) 753-1091 WEB SITE: <http://www.monroecounty.gov>

Monroe County government prohibits discrimination in employment, program activities, procurement and contracting against any person due to such person's age, marital status, disability, genetic predisposition or carrier status, race, color, creed, sexual orientation or national origin.

An Equal Opportunity Employer

2. 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.

3. 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.

4. Surveying principles and practices, including map interpretation

These questions test for knowledge of the concepts, computations and proper procedures involved in performing surveys for construction projects and land areas, including the use of theodolites, total stations, automatic levels and other contemporary field survey equipment; and for the ability to read, analyze and perform technical computations based on site plans and topographic and survey maps.

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. 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.

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.

Calculators and Reference Materials:

Most civil service written tests do not require the use of a calculator or slide rule. However, the use of calculators is **ALLOWED** for this exam. Candidates have the option of bringing a hand-held, quiet, battery or solar-powered arithmetic calculator or a slide rule to the test room. Candidates will not be permitted to use calculators containing spell check, dictionary, language translator, address or telephone book, personal digital assistants, or typewriter keyboard features, or any similar devices. You may not bring books or other reference materials.

This written examination is being prepared and rated in accordance with Section 23(2) of the Civil Service Law. The provisions of the New York State Civil Service Law, Rules and Regulations dealing with the preparation and rating of examinations, as well as establishment and certification of eligible lists for positions in the classified service will apply to this examination.

----- **BASIC CIVIL SERVICE INFORMATION** -----

Applications:

If you are applying for more than one exam, a separate application is required for each exam. Applications may be obtained at the address or web-site indicated at the bottom of the first page of this announcement.

Candidates must record the Exam Number and Title on the Application.

**Engineer, P-77244
(Monroe County Department of Transportation)**

Seniority:

Seniority points will be added to the score of every passing candidate at the rate of one (1) point for each appropriate five (5) year period for each year of continuous permanent service calculated to the date of original entry in the permanent classified service in accordance with the following schedule.

Less than 1 year	0 Points
1 year up to 6 years	1 Point
Over 6 years up to 11 years	2 Points
Over 11 years up to 16 years	3 Points
Over 16 years up to 21 years	4 Points
Over 21 years up to 26 years	5 Points

Seniority points will be calculated at the time of examination.

Certifications and Appointments:

The eligible list resulting from this examination will be established in accordance with the final earned numerical rating of passing candidates regardless of residence.

Veteran's Credits:

Veterans entitled to and wishing to claim additional points must file in the Monroe County Department of Human Resources an Application for Veteran's Credits (VC-1) form, and a copy of their military discharge papers (DD-214). Disabled veterans must also file two (2) copies of an Authorization for Veteran's Disability Record (VC-4) with Veterans Affairs. These forms are available at the Monroe County Department of Human Resources and must be filed within thirty (30) days of the examination date. No credit may be added after the eligible list has been established.

Candidates currently on active duty may apply within thirty (30) days of the examination. Upon discharge, candidates must submit a copy of their military discharge papers (DD-214). Any extra points will be applied upon our receipt of the discharge papers.

Active Military Members:

Special testing arrangements may be available to applicants who are active military members. For further information contact the Monroe County Department of Human Resources before submitting an application.

Special Arrangements for Examination:

If you need an alternate test date because you are a Religious Observer [for religious reasons, cannot be tested on date of examination(s)], if you have a disability that requires special accommodations for you to participate in an examination, or if you require any other kind of special accommodations, you must notify us at the address or telephone numbers listed on the front page of this announcement by the application deadline. Indicate your request on the front of your application for each exam, and under separate cover submit a statement outlining the reason for your request, the exam number(s) and title(s), and attach supporting documentation.

Multiple Exam Takers:

Persons also applying for examinations offered by the City of Rochester and/or New York State Civil Service Commission held on the same date must complete a crossfiler form, available from the Monroe County Department of Human Resources, which will provide for special arrangements. Arrangements must be made to take **ALL** examinations at **ONE** test site. Unless this form is filed with the Monroe County Department of Human Resources three (3) weeks prior to the exam date, we cannot ensure that such arrangements will be made. **If you are taking multiple exams on the same date with Monroe County Civil Service Commission only, you do not have to file a cross-filer form.**

Candidates taking more than one (1) exam in **different** exam series will be allowed the specified length of time for each exam, up to a maximum of eight (8) hours. Example: If you are taking one (1) exam which allows six (6) hours and another exam in a different series which allows four (4) hours, you must complete both tests in eight (8) hours, but you can spend no more time on each exam than the time allotted for that exam.

Candidates taking more than one (1) exam in the **same** exam series will be allowed up to the specified length of time for each exam. Example: If you are taking two (2) exams in the same series with a maximum time of five (5) hours for each exam, you can spend no more than five (5) hours to complete both exams.

Admission to Examination:

All applications will be reviewed after the "Closing Date for Filing" listed on the front page of this announcement. If there is a problem with your application, you will be notified in writing and given an opportunity to submit additional information to support your application. If there are no problems with your application, you will be sent an admission notice approximately one week before the exam date. If you have not received your admission notice to appear for the examination **three days** before the date of the exam, call the Monroe County Department of Human Resources at (585) 753-1700.

Issue Date: December 13, 2017