



**NIAGARA COUNTY  
CIVIL SERVICE  
111 Main Street – Suite G2  
Lockport, New York 14094-2740**

*Malcolm A Needler  
Personnel Officer  
(716) 438-4071*

## **JUNIOR CIVIL ENGINEER**

### **No 70-510 Promotional Examination**

**Salary Range: \$30.11 - \$35.29**

The examination will be held to establish an eligible list used to fill one current vacancy and any other appropriate vacancies in the Niagara County Public Works Department that may occur during the life of the list. **The list established from this exam will supersede any existing list for this title.**

**PROMOTIONAL QUALIFICATIONS:** One (1) year of permanent competitive status as a Senior Engineering Aide in the Niagara County Department of Public Works immediately preceding the date of exam.

**SENIORITY CREDIT:** Seniority is based on the length of continuous permanent classified service in the jurisdiction in which promotion is sought, with points added to an eligible candidate's passing score for each appropriate five-year period or fraction thereof 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

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

**DUTIES:** Performs difficult engineering tasks such as calculations, highway, bridge and building design. Interprets building codes, design manuals, design standards, survey notes, specifications, drawings, written and oral instructions. As a member or the chief of a survey crew, the incumbent is expected to be able to perform all work related to the survey of roads, bridges, buildings and right-of-way. Work is performed under the supervision of the Deputy Commissioner of Public Works - Engineering, a Senior Civil Engineer, or assigned supervisor. The incumbent may supervise a survey party or the preparation of drawings. Does related work as required.

**NOTICE TO CANDIDATES:** The use of calculators is **RECOMMENDED**. Unless otherwise notified, candidates are permitted to use quiet, hand-held, solar or battery powered calculators. Devices with typewriter keyboard such as computers, spell checkers, personal digital assistants, address books, language translators, dictionaries or any similar devices are prohibited. **Cell phones and smart watches are prohibited.**

**APPLICATIONS MUST BE SUBMITTED ELECTRONICALLY OR POSTMARKED BY THE FILING DEADLINE.  
YOUR APPLICATION WILL BE DISAPPROVED IF PAYMENT IS NOT RECEIVED BY THE FILING DEADLINE.**

FILING DEADLINE

**JUNE 8, 2021**

A non-refundable \$15.00 application fee is required.  
Apply and pay online or submit a check or money order  
payable to: **Niagara County Civil Service**  
ANNOUNCEMENT ISSUED: May 18, 2021

EXAMINATION DATE

**JULY 17, 2017**

**FEE WAIVERS:** Waivers for the filing fee must be completed in full and submitted with required supporting documentation or your application will be disapproved.

**SUBJECT OF EXAMINATION:** There will be a written test which you must pass in order to be considered for appointment. The written test will be designed to test for 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.
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.

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 on line at: <https://www.cs.ny.gov/testing/testguides.cfm>

**CANDIDATES NOTE:** You are responsible for completing all sections of the official application. To receive credit for experience on a job, basic information such as address, name and title of supervisor, hours in the work week, final salary, and duties performed by you, must be shown. Be very specific in explaining experience that will qualify you for the position sought. Ambiguity and vagueness will not be resolved in your favor. **EACH SEPARATE SHEET ATTACHED TO THE APPLICATION MUST BE SIGNED.**

**MULTIPLE EXAMINATIONS SCHEDULED FOR THE SAME DAY:** If you have applied to take a written test announced by either one or several local jurisdictions (county, town, city) scheduled to be held on the same test date as this written test, you must notify each of the local jurisdictions no later than two weeks before the test date, so they can make arrangement for taking all tests at one test site. All examinations for positions in State government will be held at a State Examination Center.

This examination will be 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 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.

Please review [\*\*IMPORTANT EXAMINATION INFORMATION FOR CANDIDATES\*\*](#)

Niagara County Civil Service #2021-22