



NIAGARA COUNTY  
CIVIL SERVICE  
111 Main Street – G2  
Lockport, New York 14094

Malcolm A Needler  
Personnel Officer

(716) 438-4071

## CIVIL ENGINEER

### No 60-201 Examination Open to the Public

Salary Range: \$35.55 - \$41.53

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 Department of Public Works that may occur during the life of the list. **The list established from this exam will supersede any existing list for this title.**

**RESIDENCE REQUIREMENTS:** Candidates must have been legal residents of Niagara County for at least one (1) month immediately preceding the date of the written examination and such residency must continue until the time of appointment. **Preference in appointment may be given to successful candidates who have been residents of the municipality in which the appointment is made. Non-residents may be required to become a resident of the appointing municipality if local law so states.**

**MINIMUM QUALIFICATIONS:** Candidates must meet the following on or before the date of the written exam. **If you do not meet these qualifications, your application will be disapproved and your filing fee will not be refunded.**

Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with a Bachelor's Degree in Civil Engineering or related field, and five (5) years of full-time paid civil and/or structural engineering experience, including a minimum of two (2) years which involve the inspection, evaluation and/or design of public bridge structures.

**DUTIES:** The work involves responsibility for performing advanced professional engineering work in rendering opinions and decisions on technical aspects of a wide variety of subjects. The incumbent will make field surveys to investigate and evaluate various engineering projects; designs and prepares bid documents for highway and bridge projects; and reviews condition of county facilities and bridges. Work is performed under the general direction of a higher level administrative employee. Supervision may be exercised over a number of engineering and/or technical personnel. 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.**

**DRUG SCREENING:** Applicants may be required to undergo a drug-screening test to determine suitability for appointment in accordance with local policies. Applicants who test positive may be restricted from future certification.

**BACKGROUND INVESTIGATION:** Applicants may be required to undergo a State and national criminal history background investigation, which will include a fingerprint check to determine suitability for appointment. Failure to meet the standards for the background investigation may result in disqualification.

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

**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, 2021**

**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. **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. **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.

**Test guide:** 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 examination for positions in State government will be held at a State Examination Center.

**COLLEGE CREDITS MUST BE VERIFIED WITH AN OFFICIAL TRANSCRIPT.** If you have listed college or special courses on your application it will be necessary for you to submit an official transcript or special course certificate. **Documents can be submitted electronically or in hardcopy format but must be on official letterhead or stationary.** *If these documents are not on file prior to canvassing/certification for vacant positions, your name will not be canvassed/certified and your name will be removed from consideration for all appointments.*

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 #2021-21