



BYRON W. BROWN
Mayor of Buffalo

FRANCISCO GUZMÁN
Acting Commissioner

DEPARTMENT OF PUBLIC WORKS, PARKS & STREETS

CIVIL SERVICE JOB OPENING

September 29, 2022

Title of Position: Junior Engineer
Number of Vacancies: One (1) Provisional
Salary Range: \$54,498-\$62,688

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:

Incumbents must possess:

Good knowledge of drafting and surveying, including computations;
Working knowledge of the principles and practices of civil engineering;
Working knowledge of the methods and materials used in construction;
Ability to conduct and analyze traffic and accident surveys;
Ability to draft and design plans and profiles for the construction of sewers, water mains, streets and structures;
Skill in the use of engineering instruments;
Ability to understand and interpret construction plans and specifications;
Ability to get along well with others;
Physical condition commensurate with the demands of the position.

DUTIES:

Drafts and occasionally designs plans and profiles for the construction of pavements, curbs, sidewalks, sewers, and drains, and water mains;
Checks design computations and plans of other engineers for routine errors;
Supervises and may use engineering instruments in making observations and in gathering and recording engineering data;
Conducts surveys to establish or reestablish property lines and corners, to map and develop areas and to run location lines for roads, conduits, etc.;
Conducts engineering analysis of accidents, and the locations and causes of traffic flow conditions;
Makes recommendations as to traffic rules, regulations, and ordinances relating to parking and traffic devices, loading zones, bus zones, etc.;
Directs the activities of field parties engaged in water leak detection, pipe location, and the measurement of flow of water in pipes;
Acts as resident engineer in the field to supervise operations or construction of water line projects to see that work is done in accordance with contract specifications;
Performs elementary technical engineering work and drafting in connection with design, investigation, development, and maintenance of water line facilities, including records such as maps, field books, etc.;
Prepares technical reports of the results of such studies;
Supervises construction work involving knowledge of engineering principles or knowledge of the more complex construction practices;
Prepares estimates of job costs for private contractors;
Drives city vehicle to and from job locations;
Performs related work as required.



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JUNIOR ENGINEER #4020 (cont'd.) **MINIMUM QUALIFICATIONS**

Promotional

Continuous and permanent status in any city department as a Senior Drafting Technician, Senior Engineering Aide, Engineering Inspector, or Engineering Aide for **one year**.

In addition, applicants must have **three years** of full-time experience in engineering work.

Open Competitive

(A) Bachelor's Degree from an accredited college or university in Engineering or Engineering Technology

-or-

(B) Associate's Degree from an accredited college, university or technical institute in Engineering, Engineering Technology, Civil Engineering Technology, Construction Technology, Construction/Architectural Technology or Engineering Science **and** two years of full-time approved experience in engineering work;

-or-

(C) Possession of a Certificate of Engineer-in-Training (must be presented at time of appointment);

-or-

(D) An equivalent combination as defined within the limits of A and B.

*Approved areas of engineering work experience:

Design, construction, investigation, inspection, analysis, development, maintenance or operation of engineering programs or projects in the areas of:

- A. Civil Engineering
- B. Sewers, Water Mains, Streets
- C. Related Structures / Areas

SPECIAL REQUIREMENT FOR BOTH PROMOTIONAL AND OPEN COMPETITIVE

Possession of a current New York State driver's license, which must be presented at time of appointment and maintained during employment.

City Residency Required

In the absence of clear and convincing evidence to the contrary, an applicant shall be deemed a non-resident if they cannot show ninety (90) days of continuous and uninterrupted residence in the City of Buffalo prior to filing application.

Applicants must submit their resume detailing relevant experience and qualifications for this position by
Friday, October 14, 2022 to:

Kellianne Griffith
kgriffith@buffalony.gov
65 Niagara Square, Room 511
Buffalo, NY 14202

A handwritten signature in blue ink, appearing to read "Francisco Guzmán".

Francisco Guzmán
Acting Commissioner