



Summary

NYC Department of Transportation is seeking to fill several full-time engineering positions.

Who is DOT?

The New York City Department of Transportation's (NYC DOT) mission is to provide for the safe, efficient, and environmentally responsible movement of people and goods in the City of New York and to maintain and enhance the transportation infrastructure crucial to the economic vitality and quality of life of our primary customers, City residents.

Meet Our Divisions:

Transportation Planning & Management:

The Division's responsibilities include planning, street design, technical analysis, signs, transit development, freight mobility and markings, ensuring the safety of motor vehicle occupants, pedestrians, and cyclists.

Design and Construction: Responsible for curb line and markings geometry for all DOT projects, project engineering for 800+ Street Improvement Projects (SIPs) since 2014 and overseeing contractor installation of pavement markings with a \$40M annual budget and 80+ staff and growing. The office draws on the expertise and talents of Civil Engineers, Urban Designers, Planners, Asset Managers, Inspectors, Administrators, Analysts, and others to evolve and maintain geometric elements on our roadways contributing to improved safety, mobility, economic activity, the environment, and other elements improving quality of life for the diverse uses of NYC's 6000+ miles of roads. This position will serve various functions within the Construction and Quality Control Unit of Transportation Planning and Management, the office responsible for the installation of over 40 million linear feet of lane lines each year. Comprised of three subunits – Design, Construction and Quality Control.

Positions Available:

- Civil Engineering Intern

Salary: \$64,608 - \$68,034

Minimum Qualification Requirements

A baccalaureate degree in civil engineering from an accredited college. A degree in any other engineering area or in civil engineering technology is not acceptable.

Job Description:

Under direct supervision, selected Civil Engineer Interns in D&C will be expected to prepare drawings and details using AutoCAD, perform civil engineering work of moderate difficulty and responsibility, and assist in research, investigations, or studies related to civil engineering functions or activities. Civil Engineer Interns may also participate in preparation of contract documents including plans, specifications, cost estimates, attendance of field reviews and meetings, and other related duties. This is an opportunity to work with a team dedicated to improving safety, accessibility, and mobility throughout New York City.



- Assistant Civil Engineer

Salary: \$71,726 - \$93,587

Minimum Qualification Requirements

1. A baccalaureate degree from an accredited college in civil engineering and one year of full-time satisfactory experience in civil engineering work; or
2. A baccalaureate degree from an accredited college and a Master's degree from an accredited college in civil engineering.

Job Description:

D&C seeks to hire self-motivated and ambitious candidates to assist in the creation of safer complete streets through the development and enhancement of the bicycle network, transit network, and pedestrian facilities/plazas, reducing preventable deaths and injuries in support of all major transportation initiatives. Candidates selected to be Assistant Civil Engineers within D&C will review and improve capital transportation projects, collaborate with project managers for providing final design of rapidly implemented Street Improvement Projects (SIPs), improve existing street plans, and address special design requests. SIP designs include collaboration with TPM's planners, field investigation, AutoCAD plan development of official marking and concrete drawings, and layout assistance to field crews. This work delivers NYC programs such as Vision Zero, Better Busses (bus infrastructure), Green Wave (bicycling infrastructure), Open Streets, Open Restaurants, Plazas, and others. Those candidates interested in this position will be asked to work collaboratively, to cultivate continued professional development, use state of practice technology for plan development, and to effectively communicate through verbal and written forms with all stakeholders.

Bridges:

As an integral part of New York City's Department of Transportation, the Division of Bridges has a two-fold mission: to maintain an optimal transportation network by ensuring smooth mobility on the city's bridges, and to ensure the safety of the public. The New York City Department of Transportation's Division of Bridges is comprised of four major bureaus. The Chief Bridge Officer is responsible for formulating policy and providing executive direction. He oversees all aspects of the design, construction, rehabilitation and reconstruction, maintenance, operation, and administration of the 803 bridges and 4 tunnels, and 53 culverts presently under the jurisdiction of the New York City Department of Transportation.

The Bureau of Bridge Maintenance, Inspections and Operations employs 440 engineering, professional, administrative, and skilled trades employees in the maintenance and smooth operation of New York City's elevated infrastructure, and in specialized skilled trades and contract supervision functions.

Positions Available:

- Civil Engineering Intern

Salary: \$64,608 - \$68,034

Minimum Qualification Requirements



A baccalaureate degree in civil engineering from an accredited college. A degree in any other engineering area or in civil engineering technology is not acceptable.

Job Description:

Serve as CEI title in the Bridge Inspection & Management unit of the Bureau of MIO (Maintenance, Inspection and Operations). He/she will assist an experienced Assistant Team Leader for bridge/structure safety evaluations. Will work as a team member of one of an existing inspection team. Work on AutoCAD to prepare detailed bridge condition sketches & structure detailing for our Bridge Inspection Unit. Assist in Prepare technical structure inspection reports, review plans and drawings, participate in field inspection as a part of an inspection team. Work under the supervision of NYS PE team leader for AASHTO Bridge Element Condition Evaluation work. Candidate may be required to climb ladders, work at heights and carry inspection equipment to the field. Maybe required to work evening, nights, and weekends. Performs other related duties.

Assistant Civil Engineer

Salary: \$71,726 - \$93,587

Minimum Qualification Requirements

1. A baccalaureate degree from an accredited college in civil engineering and one year of full-time satisfactory experience in civil engineering work; or
2. A baccalaureate degree from an accredited college and a Master's degree from an accredited college in civil engineering.

Job Description:

Serve as an Assistant Team Leader in the Bridge Inspection & Management unit of the Bureau of MIO (Maintenance, Inspection and Operations). Worked under the supervision of NYS PE team leader for AASHTO Bridge Element Condition Evaluation work. Assist team Leader to perform the structural/ Bridge Inspection work utilizing different bridge inspection equipment and tools. Assist Team leader to perform and respond emergency bridge and tunnel inspection work. Job requires inspecting the elevated structures over roadways, railroads, and water, in a confined space, using various equipment such as bucket truck, man-lift, ladder and snoopers in all weather conditions. Prepares bridge condition sketches to thoroughly document for bridge inspection reports. Required to produce bridge inspection reports as per the accepted standards under the direction of a team leader. Identifies and prioritizes potential hazards. Prepares structural and safety flags with all necessary plans, drawings, and technical specifications. He/ She may assist Director & Deputy Director of Bridge Inspection in the office for bridge inspection related work. May be required to work off- hours. Perform other title related duties.

Sidewalk & Inspection Management:

The Division of Sidewalk & Inspection Management (SIM) is responsible for maintaining the city's 12,760 miles of sidewalks and approximately 162,000 pedestrian ramps. SIM is tasked with sustaining a comprehensive inspection, pedestrian ramp and sidewalk program that ensures accessibility of pedestrian ramps, streets, and sidewalks.

Citywide Concrete Unit (CWC) supports the agency's goal to enhance, rehabilitate, and maintain the City's infrastructure by acting as the agency's primary construction unit. CWC employs dedicated



engineers, managers, support staff, laborers and adopt cost-savings and efficiency, while maintaining the highest standards of excellence and service to safety and quality.

The Pedestrian Ramp Program (PRP), a unit within SIM, is committed to providing pedestrian (curb) ramps citywide that meet applicable accessibility laws and guidelines. Pedestrian ramps are a critical component in providing safe and accessible means of travel throughout New York City. Pedestrian ramps provide access on and off our streets and sidewalk and are an essential tool for all pedestrians, especially aging New Yorkers and persons with disabilities. PRP has an exciting opportunity for two Assistant Transportation Specialists to join a fast-paced, collaborative, innovative team within SIM.

Positions Available:

- Civil Engineering Intern

Salary: \$64,608 - \$68,034

Minimum Qualification Requirements

A baccalaureate degree in civil engineering from an accredited college. A degree in any other engineering area or in civil engineering technology is not acceptable.

Job Description:

The PRP Engineering Team is responsible for the design and management of pedestrian ramp projects, design review of internal and external projects, the development of inspection criteria, construction QA/QC, and the tracking of pedestrian curb ramps and ADA compliancy issues within the city right-of-way.

Under the direction and supervision of a licensed professional engineer, the Design Engineer is responsible for developing grading and geometric designs of pedestrian ramps, reviewing projects for pedestrian ramp and ADA design issues, developing innovative solutions, CADD standards, workflows, and processes that advance the goal of accessible NYC streets.

The Design Engineer will also be responsible for the evaluation of existing pedestrian ramps, and the development of accessible design solutions for pedestrian ramps and facilities. They will conduct reviews, attend site visits as needed, develop innovative processes, utilize AutoCAD Civil 3D to develop grading designs, evaluate technical infeasibilities, and prepare contract plans, working drawings, and specifications. The candidate will collaborate with units in DOT, other agencies, contractors, consultants, vendors, and the public. The Design Engineer will develop expertise to help ensure the agency achieves its goals of safety, access and mobility, livability, cost-effectiveness, sustainability, and resiliency, with emphasis on accessibility.

- Assistant Civil Engineer

Salary: \$71,726 - \$93,587

Minimum Qualification Requirements

1. A baccalaureate degree from an accredited college in civil engineering and one year of full-time satisfactory experience in civil engineering work; or
2. A baccalaureate degree from an accredited college and a Master's degree from an accredited college in civil engineering.

**Job Description:**

The Citywide Concrete Unit supports the agency's goal to enhance, rehabilitate, and maintain the City's infrastructure by acting as the agency's primary construction unit. We employ dedicated engineers, managers, support staff, laborers and adopt cost-savings and efficiency, while maintaining the highest standards of excellence and service to safety and quality.

Under general supervision, the selected candidate will be responsible for performing the following duties, but not limited to:

- Mark out locations for construction, ensuring work has been properly documented and records are up to date.
- Attend site meetings
- Ensure pedestrian ramp upgrades are performed in accordance with the ADA or are accessible, etc.
- Recommends alternative treatments and designs as needed due to complex construction obstacles and structures for corners requiring upgrades
- Resolves issues found on site with direction from supervisory engineers
- Assist upper-level staff in reviews of designs, plans, and contract specifications/scopes
- Prepares engineering reports and investigations
- Supervises Civil Engineer Interns and delegate work and assignments as needed

Traffic Operations:

The Traffic Operations Division has over 860 employees in a variety of engineering, field operation, electrical operations, finance, and other office and administrative support positions. TO supports the agency's Vision Zero and safety goals through management of the operation and maintenance of over 13,500+ traffic signals, 350,000+ streetlights, 85,000 metered on-street parking spaces 30+ municipal parking lots and garages and 2000+ red light, speed, and bus lane enforcement cameras, as well as the issuance of parking permits for people with disabilities. The Division also have oversight of the Traffic Management Center and develops new traffic safety programs and technologies including accessible pedestrian signals, intelligent transportation system projects and new street lighting initiatives.

Positions Available:

- Civil Engineering Intern

Salary: \$64,608 - \$68,034

Minimum Qualification Requirements

A baccalaureate degree in civil engineering from an accredited college. A degree in any other engineering area or in civil engineering technology is not acceptable.

Job Description:

Traffic Operations seek to hire three Civil Engineering Interns who will be responsible for engaging in the research, investigations, studies, or examinations related to the engineering functions or activities of a department or agency. The candidate will prepare designs, plans, contract and working drawings, contract specifications, other technical specifications, and estimates of quantities. The candidates will coordinate with design consultants on all capital and outside agencies' projects citywide. The successful



candidates will review, comment, and prepare AutoCAD designs while evaluating contract documents for the modification of new and existing signalized intersections citywide. The candidates will participate in meetings with design consultants and lead agencies on their projects related to signalized intersections, and maintain records of drawings, plans, maps, surveys, and inspection data.

Capital Program Management:

The Capital Program Management (CPM) Unit is responsible for developing, coordinating and implementing (through NYCDDC) the City's street and highway capital program. The program is planned, funded and initiated by NYCDOT and executed by DDC on DOT's behalf. Within CPM, the Capital Project Engineering (CPE) Unit is responsible for the procurement and management of consultant engineering services, coordinating projects at DDC through design and construction including design review, monitoring changes to scope that would adversely affect project cost or timeframe, and providing engineering support to the agency, as needed.

Positions Available:

- Assistant Civil Engineer

Salary: \$71,726 - \$93,587

Minimum Qualification Requirements

1. A baccalaureate degree from an accredited college in civil engineering and one year of full-time satisfactory experience in civil engineering work; or
2. A baccalaureate degree from an accredited college and a Master's degree from an accredited college in civil engineering.

Job Description:

Working within the unit of Capital Project Engineering within the NYCDOT division of Budget and Capital Project Management, the successful candidate will participate in project coordination and management activities pertaining to capital construction or repairs of streets, seawalls, bulkheads, plazas, and retaining walls. In this capacity, the candidate will review design plans and coordinate with the Department of Design and Construction (NYC DDC), the contract managing agency, to ensure DOTs interests and views are incorporated in project designs. He or she will track the agency's capital projects and work with designers/consultants and internal project sponsors to identify and coordinate the resolution of issues and conflicts that arise in design and construction. Additional responsibilities may include, but are not limited to: prepare/review cost estimates, coordinate/attend technical meetings, provide engineering support to the agency, prepare reports & correspondence, review/process consultants scope of work and associated staffing & fees, review/process consultants payment requisitions, monitor the progress of projects and electronically update progress schedules, establish project schedules, coordinate project activities, and liaise among primary agencies & other participants to ensure that assigned projects are developed & implemented in a timely manner.