

# 2021 NYC SUMMER INTERNSHIP PROGRAM

## AGENCY NAME

**NYC DOT (BRIDGE DIVISION)**

## DIVISION

**Bridges**

**ADDRESS1** 55 Water St, 5th Floor, New York, NY

**ADDRESS2**

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**PHONE** (646) 235-1911

**FAX**

## AGENCY DESCRIPTION (Max characters 3000)

DOT's 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. Our agency's work is guided by [the Strategic Plan 2016: Safe - Green - Smart - Equitable](#). Over 5,000 employees of the New York City Department of Transportation oversee one of the most complex urban transportation networks in the world. DOT's staff manage an annual operating budget of \$1 billion and a five-year \$10.1 billion capital program, along with 6,000 miles of streets and highways, 12,000 miles of sidewalk, and 794 bridges and tunnels, including the iconic East River bridges. DOT's staff also installs and maintains over one million street signs, 12,700 signalized intersections, over 315,000 street lights, and over 200 million linear feet of markings.

## UNIT DESCRIPTION (Max characters 1000 )

Bridge Inspection Unit is part of Bureau of Maintenance, Inspection and Operation under the Division of Bridge of NYCDOT. Bridge Inspection and Management is responsible to manage inspection data of 794 City Owned structures. In-house Structure Inspection involves performing hands-on inspection using various bridge equipment such as bucket trucks, man-lift, under bridge inspection unit etc. Unit performs Biennial inspection on Pedestrian bridges, In-depth and monitoring Inspection on vehicular structures. Upon completion of structure evaluation in the field team completes comprehensive inspection report as per the NYSDOT Bridge Inspection Manual guidelines. Unit involves in Advance bridge inspection techniques using Lidar, GPR etc. Unit creates deterioration models to meet for future bridge capital needs. In-depth Inspection unit using Lidar equipment create 3D Modelling.

## POSITION TITLE (Max characters 100)

College Aide

## INTERNSHIP RESPONSIBILITIES (Max characters 1500 )

Review Engineering Plans/Drawings, Inspection report and/or technical documents. Get familiar with bridge/structure inspection/evaluation process, may involve in a field inspection activities, organize inspection data. Prepare in AutoCAD Structure details for certain portions of bridge. May

go out in a field with Bridge/Structure Inspection NYS PE Team leader. May Perform Lidar Scan of the bridge and create 3D modelling. This position could be year-round. In- Summer can work maximum upto 35 hours and In-School year max up-to 17 hours.

**QUALIFICATIONS/SPECIAL SKILLS/AREA OF STUDY (Max characters 1500 )**

Successfully completed college level course/project in structures of Civil Engineering Major, Hands-on skills on AutoCAD, Basic IT skills

**APPLICATION PROCESS (Max characters 700 )**

Please e-mail your resume and cover letter to Stephanie Howard: [showard@dot.nyc.gov](mailto:showard@dot.nyc.gov)

**SALARY RANGE**

Undergrad: \$17.30 / Hr. Grad: \$19.90 / Hr.

Internship may be used to fulfill college credit requirement

**ADDITIONAL INFORMATION / COMMENTS (Max characters 700 )**