



Bridges & Tunnels Annual Condition Report

New York City
Department of Transportation

2024 Edition

NYCTM

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Mayor

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Ydanis Rodriguez
Commissioner

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NYC Department of Transportation

Division of Bridges

2024 Bridges and Tunnels Annual Condition Report

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Letter from the Commissioner

Dear Fellow New Yorker,

On behalf of the many dedicated women and men of the Department of Transportation's Division of Bridges, I am pleased to present the 2024 edition of the New York City Department of Transportation's Annual Bridges and Tunnels Condition report.

Among the most important responsibilities of the agency is maintaining the city's 813 bridges in a state of good repair. In the four years as DOT Commissioner, I am so proud to have brought greater attention to the exceptional work we are doing on our bridges. Among those recent achievements:

- Safely and successfully completing urgent repairs to the Brooklyn Queens Expressway between Atlantic Avenue and Sands Street during three full weekend closures.
- Securing legislative approval for the creation of our first Weigh-In-Motion (WIM) program enabling the agency to enforce penalties on overweight trucks exacerbating structural deterioration of the Brooklyn Queens Expressway cantilever.
- Achieving completion of the historic components of Brooklyn Bridge contract 7 including restoration of the iconic towers and arch blocks with the addition of new lighting of the bridge's two towers.
- Commencing construction of the Unionport Bridge in the Bronx, the first new movable bridge in NYC since 2010.
- Protecting and preserving these essential and historic bridges require the excellence and dedication of the over 600 bridge engineers and designers, tradesmen and women, and planners and financial managers who make it all possible.

In this report, we share the status of our bridges, along with the 4 tunnels for which DOT is also responsible. Across the five boroughs, these structures serve as key links connecting New Yorkers to schools, jobs, and family. Additionally, they function as critical arteries for freight helping New York City remain economically healthy and competitive. We also provide important information about our efforts over the past year to ensure that these structures continue to remain safe and reliable for all those who use them.

And finally, I want to acknowledge the professionals who work tirelessly every day to oversee and perform this critical work, jobs which often involve considerable danger. The entire Bridges team consistently demonstrates dedication, ingenuity, and professionalism. I thank them all for their service to the City of New York.

Sincerely,



Ydanis Rodriguez
Commissioner



Division Overview		4	Structure Inventory		16
1.0	Introduction	4	2.0	Overview of NYC Bridge and Tunnel Inventory	17
1.2	Capital Design & Construction	5	2.1	Inspection Rating System	18
1.2.1	East River Bridges	5	2.1.1	Federal Origins of Bridge Inspection Standard	18
1.2.2	Movable Bridges	5	2.1.2	Transition to the AASHTO Element Inspection System	19
1.2.3	Roadway Bridges	5	2.1.3	New York State Implementation and Rating Translation	20
1.2.4	Component Rehabilitation	5	2.1.4	New York City's Alignment with Rating Systems	21
1.1	Maintenance Inspection & Operations	6	2.1.5	Non NBI-W Rated Structures	21
1.1.1	Bridge Management	6	2.2	Structure Condition Summary	22
1.1.2	Flag Engineering	6	2.2.1	Borough-Level Condition Breakdown	23
1.1.3	Bridge Repair	7	2.2.2	Bridges with Posted Weight Restrictions	24
1.1.4	When and Where	7	2.2.3	Partially Closed Bridges	26
1.1.5	Preventive Maintenance	7	2.2.4	Closed Bridges	26
1.1.6	Bridge Painting	7	2.3	Bridge Inventory	28
1.1.7	Bridge and Tunnel Operations	7	2.3.1	Bridge Inventory Legend	28
1.3	Engineering Review & Support	8	2.3.2	Bridge Identification Numbers (BIN) Explained	29
1.3.1	In-House Design	8	2.3.3	Standard Abbreviations	30
1.3.2	Engineering Support	8	2.3.4	Bridge Inventory Adjustments	31
1.3.3	Engineering Review	8	2.3.5	Bridge Inventory Table	32
1.3.4	Quality Assurance	9	2.4	Tunnel Inventory	65
1.5	Design-Build and Emergency Contracts	10	2.5	Culvert Inventory	66
1.5.1	Design-Build Projects	10	<hr/>		
1.5.2	Emergency Contracts	10	<hr/>		
1.5.3	BQE Asset Management	10	<hr/>		
1.4	Management & Support Services	11	<hr/>		
1.4.1	Administration	11	<hr/>		
1.4.2	Capital Planning and Finance	11	<hr/>		
1.4.3	Project Delivery and Data Analytics Unit	11	Postscript		70
1.6	Noteworthy Projects and Industry Conferences	12	3.1	Suggested Reading	71
			3.1.1	For Children	71
			3.1.2	For Children (Brooklyn Bridge)	72
			3.1.3	For Children and Young Adults (Careers)	73
			3.2	Acknowledgements	74

DIVISION OVERVIEW

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 **Deputy Commissioner** 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 813 bridges, 4 vehicular tunnels, 637 retaining walls, and 54 culverts. The culverts are presently under the jurisdiction of the New York City Department of Environmental Protection.

Reporting to the Deputy Commissioner, the **Community Affairs Unit** maintains liaison with all stakeholders: elected officials, community boards, community groups, civic and neighborhood associations. The Unit engages with communities in addressing design issues, and coordinating construction throughout the life of a project, thus enabling the Division to proceed with its capital program and on-going maintenance work while ensuring communities' awareness and input.

1.0	Introduction	4
1.1	Capital Design & Construction	5
1.2	Maintenance Inspections & Operations	6
1.3	Engineering Review & Support	8
1.4	Design-Build Program & Emergency Contracts	10
1.5	Management & Support Services	11
1.6	Noteworthy Projects and Industry Conferences	12



Bureau of Bridge Capital Design & Construction

The **Bureau of Bridge Capital Design & Construction** is responsible for carrying out major capital projects on New York City-owned bridges and tunnels. The Bureau manages the design and construction activities for these projects by contracting with private engineering and construction firms. Engineering firms provide design, construction support and resident engineering and inspection services under the direction and supervision of the Bureau's personnel. The Bureau is organized into the following four sections:

East River Bridges

The **East River Bridges** section conducts projects on the four bridges that span the East River: Brooklyn Bridge, Manhattan Bridge, Williamsburg Bridge, and the Ed Koch - Queensboro Bridge.

Movable Bridges

The **Movable Bridges** section manages projects on the City's 23 movable bridges and 4 tunnels.

Roadway Bridges

The **Roadway Bridges** section is responsible for projects on all fixed span structures that range from short-span pedestrian bridges to long viaducts carrying expressways.

Component Rehabilitation

The **Component Rehabilitation** section carries out projects focused on extending the service life of bridges that are in fair and good condition overall, but require replacement or restoration of select components. Several bridges are combined under one contract so that the work can be performed efficiently.

Bureau of Maintenance, Inspections, & Operations

The **Bureau of Bridge Maintenance, Inspections & Operations** maintains the structural integrity of the City's elevated infrastructure and tunnels. The Bureau is composed of eight sections:

Bridge Management

The **Bridge Management** section is comprised of three groups: *Inspection Management, Project Scope Development & Budget, and Structures*. These groups collaborate closely to advance the overarching mission of the Bureau of Bridge Maintenance, Inspections, and Operations. This mission is dedicated to ensuring the structural integrity of elevated structures and tunnels, while also extending their lifespan by mitigating the rate of deterioration.

The **Inspection Management Group** develops and maintains the database for the City's bridge inventory, condition ratings, and inspection information. The unit is also responsible for maintaining records of privately-owned bridges in the city. The database is the source of information used in a variety of reports, including the present Bridges and Tunnels Annual Condition Report. Their complex role encompasses contract management, fiscal oversight, addressing legal requests, and leveraging GIS and mapping technologies to enhance their operational efficiency. The group is at the forefront of innovation, utilizing cutting-edge inspection technologies such as LiDAR and drones to conduct thorough and precise evaluations of bridge structures. By integrating advanced technologies and maintaining an up-to-date database, this group plays a pivotal role in ensuring the safety, compliance, and optimal performance of the bridge infrastructure.

The **Project Scope Development & Budget Group** is a team dedicated to strategic planning and financial oversight of infrastructure

projects, with a focus on integration of deterioration profile modeling. Tasked with scoping, budgeting, and in-depth research related to planning, estimating, and scoping, this group plays a crucial role in ensuring the success and efficiency of infrastructure initiatives.

The **Structures Group** conducts load rating analysis to assess the 813 bridges, 4 tunnels, and 54 culverts in NYCDOT's inventory. Engineers in this group use advanced modeling and analysis techniques to determine the structural integrity and load-carrying capacity of bridges. Additionally, the group evaluates truck permits for oversized or overweight vehicles, collaborating with regulatory agencies to ensure compliance with specified routes and weight limits, thereby safeguarding infrastructure and road safety. Furthermore, the group engages in vulnerabilities modeling, utilizing sophisticated tools to assess susceptibility to threats like vehicular overload, vessel or vehicular collisions, hydraulic (scour) vulnerabilities, and natural disasters.

Flag Engineering

The **Flag Engineering** section reviews, routes, and tracks hazardous or potentially hazardous safety and structural conditions (flags) in or on the City's bridges and vehicular tunnels. The section monitors the status of each condition. These conditions are primarily identified as a result of inspection reports, but also in response to conditions observed by City personnel and requests received from the public.

Bridge Repair

The **Bridge Repair** section is composed of two units: Bridge Repair, and East River and Movable Bridges Preventive Maintenance. The **Bridge Repair Unit** performs repairs to resolve flagged conditions. The **East River and Movable Bridge Preventive Maintenance Unit** performs scheduled preventive maintenance work on Brooklyn Bridge, Manhattan Bridge, Williamsburg Bridge, Ed Koch Queensboro Bridge, and the City's 23 movable bridges.

When and Where

The engineers of the **When and Where** section supervise structural repair work performed by specialty contractors. Deploying third party resources is necessary to bring specialty equipment, materials and engineering expertise that is not readily available in-house. This unit oversees land-based and marine-based contracts.

Preventive Maintenance

The **Preventive Maintenance** section is responsible for scheduled maintenance work on all city bridges, excluding the East River and movable bridges. Examples of preventive maintenance tasks include snow removal, debris removal, drain cleaning, concrete bridge deck sealing, wearing surface repairs, and maintenance of expansion joints. The section assists the Bridge Repair section in some corrective repair work. The section is also responsible for de-icing operations on the four East River bridges, and the Brooklyn Queens Expressway (BQE) between Atlantic Avenue and Sands Street.

Bridge Painting

The **Bridge Painting** section maintains the protective coating of the City's bridges. The section is divided into two units: the in-house program and the capital improvement program. The capital improvement program manages projects that entail complete paint removal and application of new paint, which is done at twelve-year intervals on bridges measuring more than 100,000 square feet of painted area,

and on all bridges over railroads. Painting of bridges measuring less than 100,000 square feet is performed by the in-house unit. In addition, the in-house program is responsible for a number of tasks that include salt splash and spot painting, which is performed every four years, and graffiti removal on all NYCDOT bridges and 24 New York State highways. The in-house personnel also provide the inspection services on East River bridge preventive maintenance contracts for quality control purposes.

Bridge and Tunnel Operations

Bridge and Tunnel Operations is responsible for operating 23 movable bridges and 4 vehicular tunnels. This section operates in compliance with federal mandates that require 24-hour coverage, providing safe and expedient passage to all marine and vehicular traffic under and on movable bridges. In calendar year 2024, Bridge Operations effected a total of 7,143 openings, 6,298 of which allowed 10,124 vessels to pass beneath the bridges.

Bureau of Engineering Review & Support

The **Engineering Review & Support Bureau** is responsible for providing Division-wide engineering support services. The Bureau is comprised of the following four sections:

In-House Design

The **In-House Design** engineers perform the entire range of engineering design scope work, prepare plans, specifications, and estimates for bridge rehabilitation and replacement projects. This section handles time-sensitive projects and special repair efforts. Part of In-House Design, the **Electrical Group** reviews contract documents for the electrical work for all In-House Design projects.

Engineering Support

The **Engineering Support** section is comprised of three units:

Specifications Unit reviews proposal books and design plans for city and federal bridge contracts and maintains a database of all state and city-approved specifications.

Records Management Unit reviews design and as-built plans for all City-let bridge projects and maintains a database of record drawings for City-owned bridges, tunnels, and culverts.

Monitoring and Survey Unit performs visual inspections of bridges and retaining walls and utilizes surveying equipment to monitor their structural condition, including cracks, displacement, and foundation settlement. The Engineering Support engineers provide support to in-house engineers, consultants, other agencies, and private developers.

Engineering Review

The **Engineering Review** section is comprised of the following specialized units:

Structural Review Unit performs review of bridge design projects including preliminary to final design calculations, design drawings, and design approval documents, for compliance with

NYSDOT, AASHTO, and NYCDOT standards. The Unit also reviews utility installations and performs seismic analysis, load rating calculations and cost estimates. The Unit reviews special projects received from various city and state agencies and is also involved in managing engineering service agreement task orders and consultant payments.

Retaining Wall Unit manages the NYCDOT-owned retaining walls database and consultant programs for the periodic inspection of all retaining walls citywide, and files inspection reports with the NYC Department of Buildings annually. Walls in fair to poor condition are referred to the capital program for rehabilitation, and the Unit oversees the design and construction work of retaining walls by Department of Design and Construction.

Capital Projects Unit reviews projects submitted by NYCDOT Capital Program Management, Capital Engineering, and other NYCDOT entities.

Bridges Hold/Private Development Unit involves review of construction permit applications placed on hold by NYCDOT Office of Construction Mitigation and Coordination for any proposed construction work within 100 feet of any City-owned bridge structure, tunnel or retaining wall to ensure no adverse impacts on city-owned structures.

Land Use Unit reviews bridge design projects and initiates Uniform Land Use Review Procedures (ULURP) applications for legal grade changes, permanent and temporary easements, and land acquisitions for bridge projects. The Unit coordinates with the Community Affairs Unit, the Department of City Planning (DCP), community boards, the Borough President offices, and the City Planning Commission.

Quality Assurance

The **Quality Assurance** section is comprised of four specialized units: *Fabrication Engineering, Materials Engineering, Field Operations, and Environmental Engineering*.

The engineers of the Quality Assurance units ensure that materials and prefabricated structural components which are manufactured, tested and installed on rehabilitated city bridges meet contractual quality requirements and are in compliance with plans and specifications. The Environmental Engineering Unit oversees the proper and safe disposal of hazardous and regulated waste encountered during construction activities.

Design-Build and Emergency Contracts

The **Design-Build and Emergency Contracts** sections provide overall management in categories such as declared emergencies and design-build contracts.

Design-Build Projects

The **Design-Build** section is responsible for the development of NYCDOT's Design-Build program utilizing current best practices and determining a procurement plan as well as the delivery of six bridges and one pedestrian tunnel currently in the program.

Emergency Contracts

The **Emergency Contracts** section is responsible for procurement, design and construction supervision of the emergency bridge projects.

BQE Asset Management

This team is responsible for the ongoing monitoring and repairs of the NYCDOT-owned portion of the BQE structure between Atlantic Avenue and Sands Street, as well as advancing interim rehabilitation efforts along portions of the corridor. This includes the oversight of the interim repair contract.

Bureau of Management and Support Services

The **Bureau of Management and Support Services** provides administrative and analytic services to each of the operational bureaus of the Division of Bridges. The Bureau consists of three sections: *Administration, Capital Planning and Finance, and Project Delivery and Data Analytics*.

Administration

In coordination with NYCDOT Human Resources, the **Administration** section oversees all personnel-related functions, including staff training, conflict resolution and investigation. The Director of Administration oversees the Vehicle Coordination Unit, which tracks the placement and condition of all the vehicles under the jurisdiction of the Division of Bridges.

Capital Planning and Finance

The **Capital Planning and Finance** section is responsible for managing the Division's expense and capital budget processes and procurement of engineering consulting, construction, and technology contracts. The unit manages the Division's four and ten year capital commitment plans, as well as coordination of the Federal and State grant application process.

Project Delivery and Data Analytics

The **Project Delivery and Data Analytics Unit** (PDDA) is responsible for implementation of the Bridges Technology Plan, delivering a critical suite of purpose-built, interconnected systems to enhance the Division of Bridges' operations. The PDDA Unit provides technical Solutions Architecture Design and is responsible for all core technology functions, including custom application, interactive analytical dashboards, workflow development, statistical analysis and executive reporting. Crucially, the unit manages the Division's central data infrastructure, encompassing the Bridges Data Warehouse build-out and maintenance, robust API

development for secure data exchange, and the implementation of applied data governance to ensure the safety, integrity and reliability of all mission-critical data assets.

Part of PDDA, the *Truck Permit Program Unit* issues Permits to over dimensional vehicles, and provides turn-by-turn directions to ensure safe and expedient passage within the City.

Noteworthy Projects and Industry Conferences

Tudor City Wall

Located in the heart of Manhattan, from East 40th Street to East 44th Street, between 1st and 2nd Avenues, Tudor City is among several planned communities begun in the 1920's. Designated as a Landmark District as well as on the National Register of Historic Places, the complex is home to over 5,000 residents in 13 buildings. Built into a hillside rising from 1st to 2nd Avenues, the complex includes an interior street network with two parks and several streets significantly above the grade of adjacent streets resulting in retaining walls supporting the interior dead end blocks.

Beginning in 2018, local elected officials and the Community Board made NYCDOT aware of concerns about the condition of the retaining wall along East 40th Street supporting the southern terminus of Tudor City Place. Although the wall was not on the official Division of Bridges inventory of over 600 walls at the time, then Deputy Commissioner Collyer ordered an inspection of the wall and investigation into any records or documents available regarding its design and construction. Ultimately none were located.

After additional inspections and investigation the Division's engineers determined that the sections of the wall's veneer and parapet could pose a failure risk to the public. This was followed by the commencement of a repair plan that would address potential areas of deterioration without impacting adjacent occupied buildings, the Tudor City parking garage or the operation of East 40th Street. The design of repairs was undertaken completely by engineers and construction professionals within the Division of Bridges Maintenance Inspection and Operation Bureau. Implementation of repairs required installation of a 40+ foot scaffold and work platform, complete removal of the parapet wall above the retaining wall, the cooperation of buildings managers and the special cooperation of one apartment owner who permitted DOT crews to enter the apartment to access areas of the wall for inspection and repair. The team also carefully protected street trees and benches above the wall at the dead end of Tudor City Place.



As part of the Tudor City Wall rehabilitation, Bridges masonry and carpentry teams executed the careful removal and reconstruction of approximately 100 linear feet of deteriorated 6-foot-high brick parapet wall. During the restoration process, masons also addressed critical structural deficiencies by dismantling approximately 40 vertical feet of unstable veneer brickwork located on the East 40th Street southside of the wall. This portion exhibited significant leaning due to corroded ties that attached the veneer to the reinforced concrete retaining wall, posing a safety concern that required immediate corrective action.

After full removal, the team rebuilt the parapet to modern standards, ensuring historical consistency while improving overall structural stability. Additionally, new brickwork was added to the northern fascia to strengthen and enhance the wall's exterior appearance. Bridges In House painters then painted the entire southside of the wall to ensure that the entire wall was one color. Through the coordinated efforts of our tradespeople, the wall was successfully restored to meet both safety standards and historic preservation requirements.

Tudor City Wall Team

Eddie Alfano	Giovanni Caballero	Gianni Latona	Anthony Rotondo
Michael Biancaniello	Anthony Connelly	Clara Medina	Layton Welsh
Delin Bixha	Devon Cromarty	James Peterkin	Phil Zagika
Joseph Brucculeri	Stephen Daniel	Leonard Randazzo	Michael Zhang

BQE Interim Repairs

The Division of Bridges identified a series of projects to extend the life of the BQE Triple Cantilever structure (Brooklyn Queens Expressway from Atlantic Avenue to Sands Street) – Brooklyn’s only interstate highway and the only segment of the borough’s I-278 in NYCDOT jurisdiction. This phase focused on the two locations requiring the most urgent and essential repair. The project goal was to maintain the existing cantilever structure in a state of good repair as the agency progresses the Visioning effort on the future of the structure.

The two specific areas of the structure requiring urgent repair were on deck span 4 (Grace Court) and span 34 (Clark Street) on the Queens-bound roadway. Material testing and modeling had indicated these critical sections needed to be repaired. Beginning in Spring of 2023 and extending into 2024, full and partial depth joint repairs which included the removal of deteriorated concrete, addition of reinforcing bars and replacement with new high early strength concrete to reform the joint area across all three lanes were completed. Since work needed to be conducted continuously

across the highway, full weekend closures of all three Queens-bound lanes from Atlantic Avenue to Sands Street was needed during the concrete placement. As part of the extensive work zone traffic control (WZTC) to accomplish this closure five Queens-bound on-ramps and three Queens-bound off-ramps, two Staten Island-bound lanes of the BQE were closed from Old Fulton Street to Atlantic Avenue, and three Staten Island-bound on- and off-ramps were closed during work hours. The work was undertaken with the assistance of many stakeholders and coordination with many agencies including the NYPD, MTA Bridges and Tunnels, NYC Transit Surface Transit Operations, the JTMC, the NYC Fire Department, NYC Economic Development, as well as NYCDOT’s Emergency Services team, the Office of Construction Mitigation and Control, Strategic Communications, the Borough Commissioners of Manhattan and Brooklyn, and the Divisions of Traffic and Transportation Management and Planning.

Dozens of meetings in preparation of the work were held with Elected Officials, Community Boards, civic and community groups, NYCHA residents and major area transportation and delivery industries.

Work on the decks including concrete repairs inside the Joralemon Street Garage and the MTA Fan Plant at Clark Street started in June 2023 and completed in December 2024. The value of the work completed equaled \$25,690,979.



Weigh In Motion Technology and Implementation

In November 2023, the violation for overweight trucks began to be issued using Weigh In Motion (WIM) on the Queens-bound BQE. The installation of the system in the Staten Island-bound BQE roadway began in July 2024.

For the WIM Direct Enforcement effort to succeed in the long run, a national standard for system certification testing is required. This includes ASTM and NIST Handbook 44 being updated to include standards for WIM Systems used for Direct Enforcement. In order to obtain support for this effort, information needed to be presented to various stakeholders such as other state transportation officials at AASHTO, highway safety personnel at CVSA, and the National Weights and Measures Association meetings. All presentations by Tanvi Pandya, P.E. Executive Director BQE, Emergency Contracts and Design Build:

2024 Presentations in support of Bridges Mission:

- National Conference Weight/Measures Association; New Orleans, Louisiana (January)
- Commercial Vehicle Safety Alliance; Louisville, Kentucky (April)
- Northeastern District Annual Meeting; East Wind, Long Island, NY (May)
- AASHTO Bridges Structure Meeting; Indianapolis, Indiana with Deputy Commissioner Paul Schwartz (June)
- 109TH National Conference Weights/Measures; Cleveland, Ohio (July)
- Western Weights/Measures Association; Las Cruces, New Mexico (September)
- Southern Weights/Measures Association; San Antonio, Texas (October)
- American Society/Testing and Materials; Orlando, Florida (October)
- Northeastern Weight/Measures; Norwich, CT (October)
- Central Weights/Measures Association; Dubuque, Iowa (October)

2023 Presentations in support of Bridges Mission:

- National Committee Weights/Measures; Savannah, Georgia (January)
- Commercial Vehicle Safety Alliance; Memphis, Tennessee (April)
- Testing Protocol Demonstration; Madison, Wisconsin (April)
- Northeastern Weights/Measure Association; Saratoga Springs, NY (May)
- National Committee Weights/Measures; Norfolk, Virginia (July)
- Western Weights/Measures Association; Sparks, Nevada (August)
- Central Weights/Measures Association; Dubuque, Iowa (September)
- Northeastern Weights/Measures Association; Norwich, CT (October)
- Southern Weights/Measures Association; Annapolis, Maryland (October)

Structure Inventory

2.0	Overview of NYC Bridge and Tunnel Inventory	17
2.1	Inspection Rating Systems	18
2.2	Structure Condition Summary	22
2.3	Bridge Inventory	28
2.4	Tunnel Inventory	65
2.5	Culvert Inventory	66



Overview of NYC Bridge and Tunnel Inventory

In Calendar Year 2024, the total number of bridge and tunnel structures under the jurisdiction of the New York City Department of Transportation (NYCDOT) increased to 817. NYCDOT owns, operates, and/or maintains 790 non-movable bridges, 23 movable bridges, and 4 vehicular tunnels.

In 2017, these 4 vehicular tunnels were each assigned Tunnel Identification Numbers and removed from the bridge inventory.

In 1999, a Memorandum of Understanding (MOU) between NYCDOT and the New York City Department of Environmental Protection (NYCDEP) added 67 culverts in Staten Island (since reduced to 54) to the Division's inventory. While NYCDOT remains responsible for the capital rehabilitation of these culverts, inspection and maintenance responsibilities rest with NYCDEP.

The bridges in the Division's inventory connect a vast and diverse network of streets, highways, rail lines, and waterways throughout New York City. The four East River crossings – the Brooklyn, Manhattan, Williamsburg, and Ed Koch Queensboro Bridges – are among the City's most recognizable structures, but they represent only a small portion of the total inventory.

Of the 813 bridges in the City's 2024 inventory 337 (41.45%) consist of a single span, 133 (16.36%) carry pedestrian traffic, 128 (15.74%) cross waterways, and 321 (39.48%) cross the City's extensive system of railroad or subway tracks. Additionally, 249 (30.63%) bridges cross or connect major arterial highways such as the Henry Hudson Parkway, the Brooklyn-Queens Expressway, and the Belt Parkway.

Rating	Number of Structures	Percent	Number of Spans	Percent	Deck Area Sq. Ft.	Percent
Poor	8	1.00%	429	8.41%	585,626	3.74%
Fair	518	64.51%	3,622	70.98%	10,728,146	68.53%
Good	223	27.77%	805	15.78%	3,108,322	19.86%
Very Good	54	6.72%	247	4.84%	1,232,183	7.87%
Closed	10	-	-	-	-	-
Total	813	100%	5,164	100%	15,700,477	100.00%

As of December 31, 2024, the condition of the City's open bridges indicated that 1.00% were rated as Poor; 64.51% were classified as Fair; 27.77% were awarded ratings of Good; and

6.72% as Very Good. Those structures given ratings of Fair encompassed 70.98% of bridge spans.

Inspection Rating Systems

Federal Origins of Bridge Inspection Standard

The modern bridge inspection framework originated at the federal level following several catastrophic bridge failures in the late 1960's. In 1972, the New York State Department of Transportation (NYSDOT) began maintaining a statewide bridge condition rating database, the National Bridge Inventory (NBI), to comply with new Federal Highway Administration (FHWA) oversight requirements under the National Bridge Inspection Standards (NBIS).

For the purposes of the NBI, each bridge received a federal Sufficiency Rating (0-100%) and condition ratings on a 0 (failed) to 9 (new) scale. These ratings were qualitative in nature and were intended to identify structures in need of maintenance or replacement.

Numerical Rating	Description
1	Potentially Hazardous
2	Used to shade between a rating of 1 and 3
3	Serious deterioration, or not functioning as originally designed
4	Used to shade between a rating of 3 and 5
5	Minor deterioration, and is functioning as originally designed
6	Used to shade between a rating of 5 and 7
7	New Condition
8	Not Applicable
9	Unknown (due to inaccessibility, e.g. footings or piles)

Transition to the AASHTO Element Inspection System

In 2015, the FHWA adopted a new bridge inspection methodology developed by the American Association of State Highway and Transportation Officials (AASHTO). This Element Inspection protocol replaced the qualitative rating approach with a more quantitative, condition-based system.

Under the new system, every bridge element is categorized into one of four Condition States CS1-CS4 and categorized as CS-5 when the element is not assessable. Inspectors follow the AASHTO Manual for Bridge Element Inspection (MBEI) and the FHWA Bridge Inspection Reference Manual (BIRM).

Condition State	Condition Type	General Condition Guideline
CS-1	Good	That portion of the element that has either no deterioration or the deterioration is insignificant to the management of the element, meaning that portion of the element has no condition based preventive maintenance needs or repairs. Areas of an element that have received long lasting structural repairs that restore the full capacity of the element with an expected life equal to the original element may be coded as good condition.
CS-2	Fair	That portion of the element that has minor deficiencies that signify a progression of the deterioration process. This portion of the element may need condition based preventive maintenance. Areas of the element that have received repairs that improve the element, but the repair is not considered equal to the original member may be coded as fair.
CS-3	Poor	That portion of the element that has advanced deterioration but does not warrant structural review. This portion of the element may need condition based preventative maintenance or other remedial action.
CS-4	Severe	That portion of the element that warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge; OR a condition where that portion of the element is no longer effective for its intended purpose.
CS-5	Unknown	That portion of the element not assessable due to lack of access.

New York State Implementation and Rating Translation

In April 2016, New York State (NYS) began inspecting and rating bridges using the AASHTO protocol. The previous NYS inspection method produced a single numerical score representing the overall condition of a structure, as shown in the table below, whereas the AASHTO protocol evaluates each bridge element individually and does not generate an overall rating.

State Numerical Rating	=	City Condition Rating
1.000 – 3.000	=	POOR
3.001 – 4.999	=	FAIR
5.000 – 6.000	=	GOOD
6.001 – 7.000	=	VERY GOOD

The legacy New York State numerical rating system assigned ratings from 1 (failed) to 7 (new) for individual bridge elements, with weighted averages computed for each structure. These ratings were supported by photographs and descriptive notes and stored in the Bridge Data System, New York States' application for managing and maintaining bridge data. Ratings of 1 indicated potentially hazardous conditions requiring immediate action; ratings of 3 indicated elements not functioning as designed; ratings of 5 indicated minor deterioration; and ratings of 7 indicated a new condition. Intermediate ratings of 2, 4, and 6 provided additional gradation. Because no industry standard existed for converting AASHTO element condition states into a single comprehensive rating, several bridge rating indicators remained unreportable for multiple years.

The shift to AASHTO's element-based inspection methodology meant that biennial inspections no longer generated a single numerical bridge condition rating. To maintain comparability and support statewide asset management, NYSDOT incorporated the National Bridge Inventory Weighted (NBI-W) metric. NBI-W uses weighted combinations of select NBI items to generate an overall rating.

New York City's Alignment with Rating Systems

New York City Inspection crews began to integrate the Federally mandated AASHTO Element Inspection System in the fall of 2022.

Under federal and state law, all bridge structures must be inspected at least once every two years. The New York State Department of Transportation contracts engineering consultants to perform biennial inspections for all City bridge structures except pedestrian bridges, and bridges less than twenty feet in length. These are inspected by NYCDOT's in-house Bridge Inspection personnel within the Division of Bridges. Two exceptions are East 63rd and East 71st Street Pedestrian Bridges over the FDR Drive, inspected by Rockefeller University and The Hospital for Special Surgery respectively.

When New York City in-house Bridge Inspection engineers conduct inspections, data is recorded

in the Structure Management System (SMS), an application used to store and manage structural data related to all New York City owned bridge and tunnel structures.

In the most recent cycle, the State inspected 669 (82.29%) of the City's bridge structures, while the City inspected 140 (17.22%).

All bridges in the 2024 report that are inspected by either the City or the State have now been inspected using the National Bridge Inventory Weighted (NBI-W) metric, apart from 11 pedestrian-only structures. In three of these cases the bridges are closed to traffic, one is privately inspected, one is scheduled for emergency rehab and for the remaining force account issues prevented access for inspection. These bridges were therefore inspected using the older numerical rating scale.

Non NBI-W Rated Structures

Non NBI-W Rated Structures				
B.I.N.	Boro	Feature Carried	Feature Crossed	Remarks
2245290	M	W 155TH ST PED BRDG	AMTRAK 30 ST BRANCH	BRIDGE CLOSED
2231300	K	17TH AVE PED BRDG	BSHP	BRIDGE CLOSED
2232030	M	DELANCEY ST PED BRDG	FDR DRIVE	BRIDGE CLOSED
2247020	Q	94TH ST PED BRDG	LIRR PORT WASH BR	NO ACTIVE LONG ISLAND RAIL-ROAD FORCE ACCOUNT
7705510	Q	167TH ST PED BRDG	LIRR PORT WASH BR	NO ACTIVE LONG ISLAND RAIL-ROAD FORCE ACCOUNT
2271180	M	RIVERSIDE PARK - SOUTH	AMTRAK EMPIRE LINE	NO ACTIVE LONG ISLAND RAIL-ROAD FORCE ACCOUNT
2247190	Q	55TH AVE PED BRDG	LIRR MAIN LINE	NO ACTIVE LONG ISLAND RAIL-ROAD FORCE ACCOUNT
1247200	Q	67 AVE PED BR (2247200)	LIRR MAIN LINE	NO ACTIVE LONG ISLAND RAIL-ROAD FORCE ACCOUNT
2232110	M	E 63TH ST PED BRDG	FDR DRIVE	PRIVately INSPECTED
2243460	K	E 15TH ST PED BRDG	LIRR BAY RIDGE	NO ACTIVE LONG ISLAND RAIL-ROAD FORCE ACCOUNT
2271190	M	RIVERSIDE PARK - NORTH	AMTRAK EMPIRE LINE	BRIDGE SCHEDULED FOR EMERGENCY REHAB

Structure Condition Summary

	2014	2015	#2016	#2017	2018	2019	2020	2021	2022/2023	2024
Poor	0	0	0	2	3	4	1	1	7	8
Fair	456	458	461	454	361	361	386	409	513	518
Good	221	228	224	223	241	263	268	256	224	223
Vgood	111	102	107	106	181	160	143	136	60	54
Closed	1	1	2	2	4	4	1	1	5	10
Unrated				2						
Bridge Structures	789	789	794	789	790	792	799	803	809	813
*Tunnels	*	*	*	4	4	4	4	4	4	4
Total Structures	789	789	794	793	794	796	803	807	813	817

* In 2017, the 4 tunnels were assigned Tunnel Identification Numbers and removed from the inventory of bridges.

The bridge ratings reflected in the 2016 and 2017 reports were the traditional NYS bridge condition ratings from 2014 and 2015 with the exception of the bridges inspected by in-house NYCDOT forces (pedestrian bridges). The NYS bridge condition rating system was being converted to a federal system developed by AASHTO and there was no current acceptable formula to translate the results of inspections performed in 2016 and 2017 into the traditional NYS ratings. The AASHTO inspection method does not generate numerical overall bridge condition ratings. The ratings were updated in the 2018 annual report.

The condition of New York City's 813 bridge structures, as measured by the City's general condition rating, is as follows:

8 structures were rated Poor, 518 were rated Fair, 223 were rated Good, 54 were rated Very Good, and 10 structures were Closed.

Rating	2020		2021		2022-2023		2024	
	Number of Structures	Percent						
Poor	1	0.13%	1	0.12%	7	0.87%	8	0.98%
Fair	386	48.31%	409	50.93%	513	63.41%	518	63.71%
Good	268	33.54%	256	31.88%	224	27.69%	223	27.43%
Very Good	143	17.90%	136	16.94%	60	7.42%	54	6.64%
Closed	1	0.13%	1	0.12%	5	0.62%	10	1.23%
Total	799	100.00%	803	100.00%	809	100.00%	813	100.00%

Borough-Level Condition Breakdown

During 2024, Manhattan had the highest percentage of bridge structures rated Fair (74.18%) and the lowest percentage rated Good (15.93%). Queens and Manhattan had

the highest percentage rated Very Good (8.50% and 8.24%) respectively, while Brooklyn had the highest number rated Good (36.52%). Bronx and Staten Island had no bridges rated Poor.

Borough*	Poor	% of Boro	Fair	% of Boro	Good	% of Boro	Very Good	% of Boro	Total
Bronx	0	0.00%	99	64.71%	48	31.37%	6	3.92%	153
Brooklyn	4	2.25%	100	56.18%	65	36.52%	9	5.06%	178
Manhattan	3	1.65%	135	74.18%	29	15.93%	15	8.24%	182
Queens	1	0.50%	130	65.00%	52	26.00%	17	8.50%	200
Staten Island	0	0.00%	43	63.24%	20	29.41%	5	7.35%	68
Total	8		507		214		52		781

* Does not include borough-crossing bridges (see next table).

The above table does not include closed bridges.

Among borough-crossing bridges, 52% were Fair and 48% were Good or Very Good.

Boro-Crossings	Poor	% of Boro Crossings	Fair	% of Boro Crossings	Good	% of Boro Crossings	Very Good	% of Boro Crossings	Total
Bronx-Manhattan	0	0.00%	3	27.27%	6	54.55%	2	18.18%	11
Brooklyn-Manhattan	0	0.00%	4	100.00%	0	0.00%	0	0.00%	4
Queens-Manhattan	0	0.00%	1	33.33%	2	66.67%	0	0.00%	3
Queens-Brooklyn	0	0.00%	3	100.00%	0	0.00%	0	0.00%	3
Total	0		11		8		2		21

The above table does not include closed bridges.

Bridges With Posted Weight Restrictions

B.I.N.	Boro	Location Feature-1	Location Feature-2	Location Feature-3	Posted Tons	Remarks
222934A	M	RAMP TO NORTHBOUND HENRY HUDSON PARKWAY	AMTRAK WEST SIDE		15	NO COMMERCIAL TRAFFIC
2232060	M	FDR DRIVE	AVENUE C TO EAST 23RD STREET		4	
2229579	X	BOSTON ROAD	HUTCHINSON RIVER		20	
2233040	M	EAST 60TH STREET	FDR DRIVE		7	NO THROUGH TRAFFIC
2240019	B & M	BROOKLYN BRIDGE	EAST RIVER	INCLUDING RAMPS	3	NO COMMERCIAL TRAFFIC NO TRUCKS, NO BUSES; 11'0" CLEARANCE
224001A	M	PARK ROW TO BROOKLYN	WILLIAM STREET NORTHBOUND		3	
224001C	M	PEARL STREET TO BROOKLYN	LAND ADJACENT TO BRIDGE		3	
224001D	M	TO FDR DRIVE NORTHBOUND	PEARL STREET		3	
224001F	M	PEARL STREET TO FDR DRIVE	LAND ADJACENT TO BRIDGE		4	
2240039	B & M	WILLIAMSBURG BRIDGE	EAST RIVER			INNER ROADWAYS, NO TRUCKS; TRUCKS ARE PERMITTED ON OUTER ROADWAY ONLY
2240047	M&Q	ED KOCH QUEENSBORO BRIDGE	EAST RIVER		7.5	LOWER OUTER ROADWAYS POSTED AS H-7.5 [7.5 TONS] (PASSENGER CARS ONLY FOR SOUTHBOUND; PEDESTRIANS AND BICYCLES ONLY FOR NORTHBOUND); TRUCKS ARE PERMITTED ON LOWER INNER ROADWAY ONLY. UPPER ROADWAYS DESIGNED FOR H-15 [15 TONS], NO TRUCKS, ONLY BUSES
2240390	B & Q	GRAND STREET	NEWTOWN CREEK		23	
2240507	Q	ROOSEVELT AVENUE BRIDGE	VAN WYCK EXPRESSWAY		25	
2240640	M & Q	ROOSEVELT ISLAND	EAST CHANNEL OF THE EAST RIVER		36	
2240660	Q	RIKERS ISLAND BRIDGE	RIKERS ISLAND CHANNEL		36	
2243100	B	BEVERLEY ROAD	BMT SUBWAY, BRIGHTON		11	
2244120	B	HILL DRIVE	PROSPECT PARK LAKE			NO VEHICLES
2245460	M	PARK AVENUE SB	EAST 45TH STREET		15	NO COMMERCIAL TRAFFIC
2245470	M	PARK AVENUE NB	EAST 45TH STREET		15	NO COMMERCIAL TRAFFIC
2246550	M	PARK AVENUE VIADUCT	42ND STREET		15	NO COMMERCIAL TRAFFIC
2247120	Q	WOODSIDE AVENUE BRIDGE	LIRR MAIN LINE		8	
2247590	Q	FOREST PARK DRIVE	LIRR		8	
2247660	Q	FOREST PARK DRIVE	ABANDONED LIRR		8	

B.I.N.	Boro	Location Feature-1	Location Feature-2	Location Feature-3	Posted Tons	Remarks
2257569	M	MILLER HIGHWAY – ROUTE 9A	RIVERSIDE PARK SOUTH		22	
226771A	M	79TH STREET RAMP to HHP	79TH STREET BOAT BASIN GARAGE		15	
226771B	M	79TH STREET RAMP TO GARAGE	79TH STREET BOAT BASIN GARAGE		15	
226771C	M	GARAGE RAMP TO 79TH STREET	79TH STREET BOAT BASIN GARAGE		15	
226771D	M	SB HHP RAMP TO 79TH STREET	79TH STREET BOAT BASIN GARAGE		15	
2270690	Q	MERIDIAN ROAD	TIDE GATE DAM		7	
2267240	M	HRD RAMP TO GWB	HARLEM RIVER DR SB		22	
2247290	Q	49TH AVE	LONG ISLAND RR		9	

During 2024, sixteen bridges were partially closed or closed (six partially closed and ten fully closed).

Partially Closed Bridges

BIN	Boro	Location Feature-1	Location Feature-2	Location Feature-3	Fiscal Year	Remarks
2076640	B	DEPOT PLACE	CONRAIL HUDSON DIVISION		FY35	ONE LANE CLOSED TO TRAFFIC (BUT OPEN TO PEDESTRIANS AND BICYCLES), AND ONE LANE OPEN
2244120	K	HILL DRIVE (TERRACE BRIDGE)	PROSPECT PARK LAKE		FY27	CLOSED TO VEHICULAR TRAFFIC, OPEN TO PEDESTRIAN TRAFFIC, ALONG THE CENTER OF THE ROADWAY
2248379	Q	BOATHOUSE BRIDGE	AQUACADE LAKE		FY31	LEFT SIDE CLOSED TO VEHICULAR TRAFFIC, AND OPEN TO PEDESTRIAN TRAFFIC
2233040	M	EAST 60TH STREET	FDR DRIVE			CLOSED TO PUBLIC VEHICLES, OPEN TO PEDESTRIAN TRAFFIC
2245230	M	WEST 148TH STREET PEDESTRIAN	AMTRAK 30TH STREET BRANCH			STAIRCASE CLOSED
222934A	M	RAMP TO NORTHBOUND HENRY HUDSON PARKWAY	AMTRAK WEST SIDE			SIDEWALK CLOSED

Closed Bridges

BIN	Boro	Location Feature-1	Location Feature-2	Location Feature-3	Remarks
2231300	K	17TH AVENUE PEDESTRIAN BRIDGE	BELT SYSTEM - SHORE PARKWAY		UNDER CONSTRUCTION
1066510	B	BRUCKNER EXPRESSWAY SERVICE ROAD	WESTCHESTER CREEK		UNDER CONSTRUCTION
2232029	M	CORLEAR'S PARK ROAD	FDR DRIVE		UNDER CONSTRUCTION
2232030	M	DELANCEY STREET PEDESTRIAN BRIDGE	FDR DRIVE		UNDER CONSTRUCTION

BIN	Boro	Location Feature-1	Location Feature-2	Location Feature-3	Remarks
2245290	M	WEST 155TH STREET PEDESTRIAN BRIDGE	AMTRAK 30TH STREET BRANCH		SCHEDULED FOR DEMOLITION IN FY30
2267717	M	79 ST PED PLAZA	79 ST BT BASIN GAR		UNDER CONSTRUCTION
226771A	M	79 ST RAMP TO HHP	79 ST BT BASIN GAR		UNDER CONSTRUCTION
226771B	M	79 ST RAMP TO GAR	79 ST BT BASIN GAR		UNDER CONSTRUCTION
226771C	M	GAR RAMP TO 79 ST	79 ST BT BASIN GAR		UNDER CONSTRUCTION
2240260	B	CARROLL STREET	GOWANUS CANAL		UNDER CONSTRUCTION

Bridge Inventory

Bridge Inventory Legend

Bridge Inventory Column Headings	Content Defined / Abbreviation Expanded	
B.I.N.	Bridge Identification Number	
Boro	B Bronx K Brooklyn M Manhattan	Q Queens R Staten Island
Feature Carried	Name of passageway carrying vehicle or pedestrian traffic	
Feature Crossed	Description of area crossed	
Railroad Crossed	A Amtrak C Conrail L Long Island Railroad M Metro North (MTA) N New York & Atlantic	O B&O Railroad S Staten Island Railway T NYC Transit Authority X CSX
Other Owner	F Ferries (Dept. of Transportation) P Dept. of Parks and Recreation	ED Dept. of Education PD Police Department
Bridge Type	A Arterial E East River M Movable O Off-System	PED Pedestrian R Ramp T Tunnel W Waterway
Rating Source	City NYC Inspection State NYS Inspection	Parks NYC Parks Dept. Inspection Univ. Rockefeller Univ. Inspection
General Recommendation / Verbal Rating (Previous Rating Scale)	1.000 - 3.000 POOR 3.001 - 4.999 FAIR 5.000 - 6.000 GOOD 6.001 - 7.000 VERY GOOD	
Current Rating (NBI-W) / Verbal Rating (Current Rating Scale)	1.00 - 3.99 POOR 4.00 - 6.40 FAIR 6.41 - 7.72 GOOD 7.73 - 9.00 VERY GOOD	
Verbal Rating (NBI-W)	Verbal Rating in Bridge Inventory References Current Rating (NBI-W)	
Deck Area	Deck Area provided in Square Feet	
CD	Community Board District	

Bridge Identification Numbers Explained

In 1972, the State of New York developed a computerized system to store inventory and inspection data on bridges that are greater than 20 feet in length. In New York City, structures that are 20 feet in length or less, "mini-bridges," are tracked independently by the City. Each structure is distinguished by a separate Bridge Identification Number (B.I.N.).

A six-digit B.I.N. identifies a single structure or group of connected or associated structures, while the seven-digit B.I.N. identifies each of those connected or associated bridge structures individually.

Each level of a bi-level bridge, each separate bridge structure in a parallel configuration, and each ramp attached to a main bridge is considered an individual structure and assigned its own unique B.I.N. For example, the Brooklyn Bridge has one six-digit B.I.N., 2-24001, which incorporates the entire bridge. All ramps and secondary structures, as well as the main structure, are identified by their own seven-digit numbers, such as 2-24001-A, 2-24001-B, etc.

If the prefix (first number) of the B.I.N. is:

1, the bridge is considered part of the **State** bridge system. This number might include City bridges if maintenance is shared between City and State.

2, the bridge is considered part of the **City** bridge system. This number might include State bridges if maintenance is shared between City and State.

M, Q, or R, the bridge is a "mini-bridge," and is considered part of the City bridge system. They are located in Manhattan, Queens, or Staten Island, respectively.

If the suffix (last character) of the B.I.N. is:

1 through 6, the bridge is in parallel configuration. The left-most bridge in the Direction of Orientation has a last character of 1. The next left-most bridge has a last character of 2, and so on.

7 or 8, the bridge is in a bi-level configuration. Seven indicates the lower level and eight indicates the upper level.

0 or 9, the bridge is not in parallel or bi-level configuration.

A letter of the alphabet, the structure is a ramp physically attached to the main bridge. If more than one ramp is attached to the same span of the main bridge, the characters are assigned alphabetically starting with the left-most ramp in the Direction of Orientation. Other ramps attached to the bridge are assigned alphabetical characters in a clockwise direction.

Standard Abbreviations

General Abbreviations

APP:	Approach
AVE:	Avenue
BLVD:	Boulevard
BR:	Bridge
CPK:	Central Park
DR:	Drive
EB:	Eastbound
EXPWY:	Expressway
I:	Interstate
LN:	Lane
NB:	Northbound
PED BR:	Pedestrian Bridge
PKWY:	Parkway
PL:	Place
RD:	Road
SB:	Southbound
ST:	Street
TPKE:	Turnpike
WB:	Westbound
X:	No State accepted mileage markers exist on this route

Highways

BCIP:	Belt System - Cross Island
BE:	Bruckner Expressway
BLP:	Belt System - Laurelton Parkway
BPP:	Bronx Pelham Parkway
BQE:	Brooklyn-Queens Expressway
BRPC:	Bronx River Parkway (in NYC)
BSHP:	Belt System - Shore Parkway
BSOP:	Belt System - Southern Parkway
CBE:	Cross Bronx Expressway
FDRD:	Franklin D. Roosevelt Drive (to East 127th Street)
GCP:	Grand Central Parkway
GW:	George Washington Bridge
HHP:	Henry Hudson Parkway
HRD:	Harlem River Drive (from East 127th Street)
LIE:	Long Island Expressway
MAP:	Marine Parkway
MDE:	Major Deegan Expressway
MP:	Moshulu Parkway
OCP:	Ocean Parkway
PR:	Prospect Expressway
RP:	Richmond Parkway
VWE:	Van Wyck Expressway
WLMBRG:	Williamsburg Bridge
WSE:	West Shore Expressway (also known as East River Drive from 1935 to 1947)

Routes

No.	Borough	Name
25	Queens	Union Turnpike
25A	Queens	Northern Boulevard
27	Brooklyn	Southern Parkway
I-87	Manhattan, Bronx	Major Deegan Expressway
I-95	Manhattan, Bronx	Cross Bronx Expressway
I-278	Brooklyn, Queens	Brooklyn-Queens Expressway
I-278	Bronx	Bruckner Expressway
I-278	Staten Island	Staten Island Expressway
I-295	Queens	Clearview Expressway
I-295	Bronx	Throgs Neck Expressway
I-440	Staten Island	Richmond Parkway
I-478	Brooklyn	Brooklyn Battery Tunnel
I-495	Queens	Long Island Expressway
I-678	Queens	Whitestone Expressway, Van Wyck
I-878	Queens	Nassau Expressway
I-895	Bronx	Sheridan Expressway

2024 Bridge Inventory Adjustment

In calendar year 2024, four bridges were added to the City's inventory and none were removed.

Bridges added to the City's Inventory:

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	EXPLANATION
2271480	M	E 54TH STREET PED BRIDGE	FDR DRIVE	NEW PEDESTRIAN BRIDGE BUILT IN 2023
2271610	B	OLD PUTNAM TRAIL NORTH BRIDGE	VAN CORTLANDT LAKE	PARKS
2271620	B	KIERNAN NATURE TRAIL	VAN CORTLANDT LAKE	PARKS
2269900	B	STARLIGHT PARK PED PATH	BRONX RIVER	NEW PEDESTRIAN BRIDGE BUILT IN 2022

Bridge Inventory Table

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
1065210	Q	WHitestone EXP NB	BCIP		A		1	STATE	6/5/2024	5	5.55	FAIR	2480.0	\$11,160,000	407		
1066510	B	BRUCKNER EXPWY SVC RD	WESTCHESTER CREEK		WMA		17	STATE	2/4/2020	4	4	CLOSED	35000.0	\$157,500,000	209		
1067150	B	NEREID AVE (E 240TH ST)	BRONX RIVER PKWY	M	O		10	STATE	2/16/2024	5	5.56	FAIR	58125.0	\$261,562,500	212		
1240090	BM	MACOMBS DAM BRIDGE	HARLEM RIVER	M	WMO		52	STATE	12/4/2023	5	7.2	GOOD	217788.0	\$980,046,000	110	204	
1247010	Q	91 PLACE (2247010)	LIRR PT WASH BR	L	O		1	STATE	7/18/2023	6	7	GOOD	2760.0	\$12,420,000	404		
1247200	Q	67 AVE PED BR (2247200)	LIRR MAIN LINE	L	PED-O		3	CITY	7/22/2021	4	4.218	FAIR	1300.0	\$5,850,000	406		
1247280	Q	51 AVE PED BR (2247280)	LIRR MAIN LINE	L	PED-O		5	CITY	7/15/2021	4	4.55	FAIR	1030.0	\$4,635,000	402		
1247560	Q	METROPOLITAN AVE	LIRR - NY&ATL	LN	O		2	STATE	7/13/2023	5	6.2	FAIR	21328.0	\$95,976,000	405		
2055801	Q	NORTHERN BLVD WB	FLUSHING RIVER		WO		40	STATE	9/19/2024	4	5.1	FAIR	71900.0	\$323,550,000	407		
2055802	Q	NORTHERN BLVD EB	FLUSHING RIVER		WO		40	STATE	9/19/2024	4	4.9	FAIR	78894.0	\$355,023,000	407		
2065629	B	BRONX RIVER PKWY	BOSTON RD - BX ZOO		A		1	STATE	7/11/2023	5	6	FAIR	6669.0	\$30,010,500	227		
2065930	Q	HAMILTON PLACE	495I (LONG ISLAND EXPWY)		A		2	STATE	2/29/2024	6	7.15	GOOD	11288.0	\$50,796,000	405		
2065940	Q	GRAND AVE	495I (LONG ISLAND EXPWY)		A		2	STATE	8/16/2024	5	6.15	FAIR	12852.0	\$57,834,000	405		
2065950	Q	69TH STREET	495I (LONG ISLAND EXPWY)		A		2	STATE	6/7/2023	5	5.9	FAIR	10336.0	\$46,512,000	405		
2066002	Q	LONG ISLAND EXPWY (2066000)	WOODHAVEN BLVD		A		2	STATE	4/17/2023	6	7.35	GOOD	25200.0	\$113,400,000	406	404	
2066100	K	5TH AVE	27X PROSPECT EXPWY		A		1	STATE	4/18/2024	5	5.65	FAIR	8800.0	\$39,600,000	307		
2066671	B	BRUCKNER EXPWY SB	BRONX RIVER		WA		3	STATE	11/7/2023	5	6	FAIR	12250.0	\$55,125,000	202	209	
2066672	B	BRUCKNER EXPWY NB	BRONX RIVER		WA		7	STATE	11/8/2024	4	5.65	FAIR	18980.0	\$85,410,000	202	209	
2066720	B	E 174TH ST	SHERIDAN EXPWY/ AMTRAK	A	A		13	STATE	10/31/2024	4	4.55	FAIR	45942.0	\$206,739,000	209	203	
2066919	BM	WASHINGTON BRIDGE	HARLEM RIVER	M	WO		9	STATE	5/30/2024	5	6	FAIR	135811.0	\$611,149,500	112	205	204
2075351	B	BRUCKNER EXPWY SB	AMTRAK - CSX	AX	A		1	STATE	12/18/2024	7	7.1	GOOD	14560.0	\$65,520,000	202		
2075352	B	BRUCKNER EXPWY NB	AMTRAK - CSX	AX	A		1	STATE	12/18/2024	7	7.1	GOOD	18070.0	\$81,315,000	202		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2075820	B	E TREMONT AVE	HUTCHINSON RIVER PKWY		A		2	STATE	10/30/2023	4	5.2	FAIR	10528.0	\$47,376,000	210		
2075837	B	WESTCHESTER AVE	HUTCHINSON RIVER PKWY		A		2	STATE	4/11/2024	6	7.55	GOOD	16000.0	\$72,000,000	210	211	
2075849	B	BRONX PELHAM PKWY	HUTCHINSON RIVER PKWY		A		2	STATE	3/4/2024	4	5	FAIR	18056.0	\$81,252,000	210	211	
2075859	B	HUTCHINSON RIVER PKWY	HUTCHINSON RIVER		WMA		7	STATE	10/17/2024	5	5.65	FAIR	60206.0	\$270,927,000	210	228	
2076109	B	BE NB SERVICE RD	HUTCHINSON RIVER PKWY		A		2	STATE	7/7/2023	5	6.13	FAIR	7545.0	\$33,952,500	210		
2076129	B	BE SB SERVICE RD	HUTCHINSON RIVER PKWY		A		2	STATE	1/9/2024	5	6	FAIR	7366.0	\$33,147,000	210		
2076640	B	DEPOT PLACE	METRO NORTH RR HUD	XM	O		11	STATE	10/11/2023	5	6	FAIR	26566.0	\$119,547,000	204		
2076929	B	BRUCKNER EXPWY	CSX - HUNTS POINT	X	A		1	STATE	8/4/2023	5	5.45	FAIR	3806.0	\$17,127,000	202		
2229289	M	HHP VIADUCT	AMTRAK - W72 ST - W79 ST	A	A		145	STATE	10/3/2024	5	5	FAIR	213486.0	\$960,687,000	107		
2229290	M	W 79 ST	AMTRAK	A	A		1	STATE	4/26/2024	5	5.45	FAIR	4538.0	\$20,421,000	107		
2229309	M	HHP	RIVERSIDE PARK		A		1	STATE	1/26/2024	5	6	FAIR	2263.0	\$10,183,500	107		
2229311	M	HHP SB	RAMP TO W 96 ST		A		1	STATE	2/1/2024	5	6	FAIR	1955.0	\$8,797,500	107		
2229312	M	HHP NB	RAMP TO W 96 ST		A		1	STATE	2/1/2024	5	6	FAIR	1995.0	\$8,977,500	107		
2229321	M	HHP SB	RAMP FROM W 96 ST		A		1	STATE	1/31/2024	5	6	FAIR	2081.0	\$9,364,500	107		
2229322	M	HHP NB	RAMP FROM W 96 ST		A		1	STATE	1/30/2024	5	6.44	GOOD	1975.0	\$8,887,500	107		
2229349	M	HHP	W 158 ST	A	A		44	STATE	11/26/2024	4	4.45	FAIR	139811.0	\$629,149,500	109	112	
2229400	M	W 181ST ST PED BRIDGE	HENRY HUDSON PKWY NB		PED-A	P	7	CITY	6/24/2024	5	5	FAIR	1579.0	\$7,105,500	112		
2229440	B	HHP	KAPPOCK ST		A		1	STATE	6/23/2023	5	6	FAIR	5014.2	\$22,563,900	208		
2229450	B	W 232ND ST	HHP		A		2	STATE	6/23/2023	5	6	FAIR	4914.0	\$22,113,000	208		
2229460	B	W 236TH ST PED BRIDGE	HHP		PED-A		3	CITY	6/19/2024	4	5.8	FAIR	2238.0	\$10,071,000	208		
2229470	B	W 239TH ST	HHP		A		2	STATE	6/21/2023	5	6	FAIR	6132.0	\$27,594,000	208		
2229480	B	MANHATTAN COLL PKWY	HHP		A		3	STATE	6/22/2023	5	6.8	GOOD	5633.0	\$25,348,500	208		
2229490	B	W 246TH ST	HHP		A		2	STATE	7/19/2023	5	6	FAIR	5561.0	\$25,024,500	208		
2229500	B	W 252ND ST	HHP		A		2	STATE	1/10/2024	5	6.2	FAIR	4505.0	\$20,272,500	208		
2229510	B	RIVERDALE AVE	HHP		A		2	STATE	6/29/2023	5	6	FAIR	5200.0	\$23,400,000	208		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2229520	B	FIELDSTON ROAD	HHP		A		1	STATE	6/29/2023	5	6.56	GOOD	7138.0	\$32,121,000	208		
2229530	B	HHP	BROADWAY		A		1	STATE	7/27/2023	5	5.8	FAIR	7548.0	\$33,966,000	208		
2229540	B	VAN CRTLDT PARK	HHP		PED-A	P	2	CITY	5/30/2024	5	6	FAIR	3795.0	\$17,077,500	226		
2229550	B	VAN CRTLDT EQUES	HHP		PED-A	P	2	CITY	5/30/2024	4	5.45	FAIR	2052.0	\$9,234,000	226		
2229560	B	BRONX PELHAM PKWY	AMTRAK - CSX	AX	A		3	STATE	1/9/2023	5	5.75	FAIR	24591.0	\$110,659,500	211		
2229579	B	BOSTON ROAD	HUTCHINSON RIVER		WO		14	STATE	9/24/2024	4	4.35	FAIR	95683.0	\$430,573,500	212		
2230000	K	HIGHLAND BLVD EB	JACKIE ROBINSON PKWY		A		1	STATE	2/8/2024	5	5.45	FAIR	4940.0	\$22,230,000	305		
2230010	K	HIGHLAND BLVD WB	JACKIE ROBINSON PKWY		A		1	STATE	2/8/2024	5	5.65	FAIR	3496.0	\$15,732,000	305		
2230020	K	HIGHLAND BLVD WB	JR PKWY EB ENTR RAMP		A		2	STATE	3/18/2024	5	5.65	FAIR	4700.0	\$21,150,000	305		
2230040	Q	CYPRESS HILLS ST	JACKIE ROBINSON PKWY		A		1	STATE	4/15/2024	5	6	FAIR	5098.0	\$22,941,000	405		
2230099	Q	JACKIE ROBINSON PKWY	CYPRESS HILLS CEMETRY		A		1	STATE	1/18/2024	5	6.45	GOOD	3842.0	\$17,289,000	405		
2230120	Q	MYRTLE AVE	JACKIE ROBINSON PKWY		A		1	STATE	5/6/2024	5	5.65	FAIR	6363.0	\$28,633,500	405	482	
2230179	Q	JACKIE ROBINSON PKWY	METROPOLITAN AVE		A		2	STATE	4/18/2024	5	6.05	FAIR	8673.0	\$39,028,500	482		
2230180	Q	UNION TPKE	JACKIE ROBINSON PKWY		A		1	STATE	3/14/2024	5	6.7	GOOD	5426.0	\$24,417,000	482		
2230190	Q	MARKWOOD ROAD	JACKIE ROBINSON PKWY		A		1	STATE	3/14/2024	5	5.45	FAIR	4400.0	\$19,800,000	482	406	
2230209	Q	QUEENS BLVD	JACKIE ROBINSON PKWY	T	A		5	STATE	6/17/2024	5	5.55	FAIR	37753.0	\$169,888,500	409		
2230220	K	HIGHLAND BLVD NB	VERMONT ST		A		1	STATE	6/6/2023	6	7.55	GOOD	3995.0	\$17,977,500	305		
2230250	B	MOSHOLU PARKWAY	BRONX RIVER		WA		5	STATE	1/12/2024	5	5	FAIR	10199.0	\$45,895,500	227		
2230260	B	MOSHOLU PARKWAY	METRO NORTH	M	A		1	STATE	6/7/2024	6	7	GOOD	8880.0	\$39,960,000	227	207	
2230270	B	MOSHOLU PARKWAY	WEBSTER AVE		A		1	STATE	6/6/2023	6	7	GOOD	8800.0	\$39,600,000	207		
2230287	B	JEROME AVE	MOSHOLU PARKWAY	T	A		3	STATE	7/26/2023	5	6.56	GOOD	8952.0	\$40,284,000	207		
2230290	B	MOSHOLU PARKWAY	EQUESTRIAN PATH		A		1	STATE	1/8/2024	6	7	GOOD	4271.0	\$19,219,500	226		
2230300	B	MOSHOLU PARKWAY	CONRAIL (ABANDONED)		A		1	STATE	4/19/2024	5	6	FAIR	4600.0	\$20,700,000	226		
2230310	B	MOSHOLU PARKWAY	SB RAMP TO HHP		A		2	STATE	8/24/2023	5	6	FAIR	7344.0	\$33,048,000	226		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2230350	K	SUMMIT ST PED BRIDGE	278I (BROOKLYN-QUEENS EXPWY)		PED-A		2	CITY	2/26/2024	4	5.35	FAIR	1399.0	\$6,295,500	306		
2230360	K	UNION ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	4/11/2024	4	5.6	FAIR	4965.0	\$22,342,500	306		
2230370	K	SACKETT ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	4/11/2024	5	5.45	FAIR	4965.0	\$22,342,500	306		
2230380	K	KANE ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	6/9/2023	4	4.8	FAIR	5000.0	\$22,500,000	306		
2230390	K	CONGRESS ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	4/10/2024	6	6.55	GOOD	5097.0	\$22,936,500	306		
2230410	K	278I EB (BROOKLYN-QUEENS EXPWY)	WASHINGTON ST		A		1	STATE	4/29/2024	5	6.55	GOOD	2500.0	\$11,250,000	302		
2230420	K	278I WB (BROOKLYN-QUEENS EXPWY)	WASHINGTON ST		A		1	STATE	4/29/2024	6	7.25	GOOD	2500.0	\$11,250,000	302		
2230430	K	278I (BROOKLYN-QUEENS EXPWY) RAMP TO BKLN BRIDGE	PROSPECT ST		A		1	STATE	1/23/2024	6	6.45	GOOD	1139.0	\$5,125,500	302		
2230440	K	278I WB (BROOKLYN-QUEENS EXPWY)	ADAMS ST		A		1	STATE	2/1/2024	5	6.45	GOOD	2550.0	\$11,475,000	302		
2230450	K	278I EB (BROOKLYN-QUEENS EXPWY)	ADAMS ST		A		1	STATE	2/1/2024	5	6.45	GOOD	2618.0	\$11,781,000	302		
2230460	K	278I (BROOKLYN-QUEENS EXPWY)	PEARL ST		A		1	STATE	2/7/2024	5	6.45	GOOD	4484.0	\$20,178,000	302		
2230470	K	278I (BROOKLYN-QUEENS EXPWY)	JAY ST		A		1	STATE	2/7/2024	5	6.45	GOOD	5092.0	\$22,914,000	302		
2230480	K	278I (BROOKLYN-QUEENS EXPWY)	PROSPECT ST		A		1	STATE	2/1/2024	5	6.6	GOOD	8690.0	\$39,105,000	302		
2230490	K	278I (BROOKLYN-QUEENS EXPWY)	SANDS ST		A		1	STATE	3/1/2024	5	6.6	GOOD	11025.0	\$49,612,500	302		
2230500	K	278I (BROOKLYN-QUEENS EXPWY)	RAMP TO BROOKLYN-QUEENS EXPWY EB		A		1	STATE	2/12/2024	5	6.25	FAIR	1306.0	\$5,877,000	302		
2230510	K	278I (BROOKLYN-QUEENS EXPWY)	NASSAU ST		A		6	STATE	9/12/2024	5	6	FAIR	51696.0	\$232,632,000	302		
2230520	Q	65TH PLACE	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	3/1/2024	5	6.7	GOOD	11676.0	\$52,542,000	402		
2230530	Q	QUEENS BLVD	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	7/31/2024	6	6.35	FAIR	26208.0	\$117,936,000	402		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2230540	Q	WOODSIDE AVE	278I (BROOKLYN-QUEENS EXPWY)		A		1	STATE	2/26/2024	6	6.45	GOOD	7560.0	\$34,020,000	402		
2230550	Q	69TH ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	5/24/2023	5	6	FAIR	12585.0	\$56,632,500	402		
2230560	Q	70TH ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	7/23/2024	6	7.55	GOOD	8580.0	\$38,610,000	402		
2230570	Q	41ST AVE	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	7/23/2024	6	7.6	GOOD	8450.0	\$38,025,000	402		
2230587	Q	ROOSEVELT AVE	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	9/12/2023	5	6.9	GOOD	11028.0	\$49,626,000	402		
2230590	Q	BROADWAY / 37TH AVE	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	8/16/2024	6	6	FAIR	16000.0	\$72,000,000	402		
2230600	Q	STEINWAY ST	278I WB (BROOKLYN-QUEENS EXPWY)		A		1	STATE	6/25/2024	6	7.8	VGOOD	5229.0	\$23,530,500	401		
2230610	Q	STEINWAY ST	278I EB (BROOKLYN-QUEENS EXPWY)		A		1	STATE	6/24/2024	7	7.8	VGOOD	5146.0	\$23,157,000	401		
2230620	Q	37TH ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	5/17/2024	5	5.8	FAIR	5110.0	\$22,995,000	401		
2230630	Q	35TH ST	278I (BROOKLYN-QUEENS EXPWY)		A		4	STATE	5/17/2024	5	5.8	FAIR	8534.0	\$38,403,000	401		
2230640	Q	32ND ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	7/26/2023	5	6.4	FAIR	8100.0	\$36,450,000	401		
2230657	Q	31ST ST	278I (BROOKLYN-QUEENS EXPWY) - NYCTA		A		2	STATE	10/10/2024	5	5.65	FAIR	9957.0	\$44,806,500	401		
2230669	Q	278I (BROOKLYN-QUEENS EXPWY)	35TH AVE		A		1	STATE	6/30/2023	6	7.25	GOOD	13530.0	\$60,885,000	402		
2230679	Q	278I (BROOKLYN-QUEENS EXPWY)	34TH AVE		A		1	STATE	3/27/2023	6	8.35	VGOOD	14746.0	\$66,357,000	402		
2230710	Q	278I SB (BROOKLYN-QUEENS EXPWY WEST LEG)	32ND AVE		A		1	STATE	7/5/2023	6	7.6	GOOD	5240.0	\$23,580,000	401		
2230720	Q	278I SB (BROOKLYN-QUEENS EXPWY EAST LEG)	278I NB (BROOKLYN-QUEENS EXPWY WEST LEG)		A		3	STATE	5/5/2023	6	8.15	VGOOD	20824.0	\$93,708,000	401		
2230730	Q	31ST AVE	278I NB (BROOKLYN-QUEENS EXPWY WEST LEG)		A		1	STATE	5/4/2023	6	7.15	GOOD	5875.0	\$26,437,500	401		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2230740	Q	278I SB (BROOKLYN-QUEENS EXPWY WEST LEG)	31ST AVE		A		1	STATE	4/26/2023	6	7	GOOD	5420.0	\$24,390,000	401		
2230750	Q	278I SB (BROOKLYN-QUEENS EXPWY EAST LEG)	31ST AVE		A		1	STATE	4/26/2023	6	7.35	GOOD	4221.0	\$18,994,500	401	403	
2230770	Q	278I (BROOKLYN-QUEENS EXPWY WEST LEG)	30TH AVE		A		1	STATE	4/5/2023	6	7.35	GOOD	6235.0	\$28,057,500	401		
2230780	Q	278I (BROOKLYN-QUEENS EXPWY EAST LEG)	30TH AVE		A		1	STATE	4/5/2023	6	7.35	GOOD	7050.0	\$31,725,000	403	401	
2230790	Q	BULOVA AVE	278I (BROOKLYN-QUEENS EXPWY WEST LEG)		A		2	STATE	5/21/2024	5	6.4	FAIR	3300.0	\$14,850,000	401		
2230800	Q	49TH ST	278I (BROOKLYN-QUEENS EXPWY WEST LEG)		A		2	STATE	5/21/2024	5	6.4	FAIR	5304.0	\$23,868,000	401		
2230810	Q	ASTORIA BLVD EB	278I (BROOKLYN-QUEENS EXPWY WEST LEG)		A		4	STATE	4/20/2023	4	5.15	FAIR	8259.0	\$37,165,500	401		
2230820	Q	47TH ST	GCP		A		2	STATE	5/6/2024	5	6	FAIR	5824.0	\$26,208,000	401		
2230830	Q	278I NB (BROOKLYN-QUEENS EXPWY WEST LEG)	GCP		A		2	STATE	5/6/2024	5	5.1	FAIR	7176.0	\$32,292,000	401		
2230840	Q	44TH ST	278I (BROOKLYN-QUEENS EXPWY)		A		2	STATE	5/6/2024	5	6	FAIR	5586.0	\$25,137,000	401		
2230857	K	278I WB (BROOKLYN-QUEENS EXPWY)	JORALEMON ST		A		1	STATE	3/16/2024	5	6.45	GOOD	2100.0	\$9,450,000	302		
2230858	K	278I EB (BROOKLYN-QUEENS EXPWY)	JORALEMON ST / BROOKLYN-QUEENS EXPWY WB		A		1	STATE	12/13/2023	4	4.75	FAIR	2564.0	\$11,538,000	302		
2230869	Q	QUEENS BLVD	ACCESS RD BROOKLYN-QUEENS EXPWY SB		A		1	STATE	7/9/2024	6	6.45	GOOD	11385.0	\$51,232,500	402		
2230870	K	COLUMBIA HEIGHTS	278I (BROOKLYN-QUEENS EXPWY)		A		1	STATE	10/25/2024	4	5.35	FAIR	12095.0	\$54,427,500	302		
2230887	K	278I WB (BROOKLYN-QUEENS EXPWY)	CADMAN PLAZA		A		2	STATE	9/24/2024	4	5.35	FAIR	4500.0	\$20,250,000	302		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2230888	K	278I EB (BROOKLYN-QUEENS EXPWY)	CADMAN PLAZA / 278I WB		A		2	STATE	9/24/2024	5	5.8	FAIR	4500.0	\$20,250,000	302		
2230890	Q	49TH ST	GCP		A		2	STATE	7/1/2024	6	6.65	GOOD	6350.0	\$28,575,000	401		
2231249	K	BSHP	BAY RIDGE AVE		A		1	STATE	3/25/2024	7	7.55	GOOD	5024.0	\$22,608,000	310		
2231250	K	81ST ST PED BRIDGE	BSHP		PED-A	P	5	CITY	1/25/2024	4	5	FAIR	2479.0	\$11,155,500	310		
2231260	K	92ND ST PED BRIDGE	BSHP		PED-A	P	6	CITY	8/7/2023	4	5	FAIR	3000.0	\$13,500,000	310		
2231270	K	4TH AVE	BSHP		A		2	STATE	3/14/2024	5	6	FAIR	6100.0	\$27,450,000	310		
2231290	K	BAY 8TH ST	BSHP		A		1	STATE	6/1/2023	7	7.55	GOOD	4950.0	\$22,275,000	311		
2231300	K	17TH AVE PED BRIDGE	BSHP		PED-A	P	1	CITY	7/8/2021	4	3.887	CLOSED	2100.0	\$9,450,000	311		
2231319	K	BSHP	BAY PKWY		A		1	STATE	7/12/2024	4	5.1	FAIR	7198.0	\$32,391,000	311		
2231329	K	BSHP	26TH AVE		A		1	STATE	3/22/2024	5	5.56	FAIR	6700.0	\$30,150,000	313		
2231330	K	27TH AVE PED BRIDGE	BSHP		PED-A	P	1	CITY	11/12/2024	4	4.65	FAIR	1950.0	\$8,775,000	313		
2231340	K	CROPSEY AVE	BSHP		A		2	STATE	6/4/2024	5	5.35	FAIR	13100.0	\$58,950,000	313		
2231360	K	BSHP	OCEAN PKWY		A		3	STATE	5/9/2024	6	7.55	GOOD	29637.0	\$133,366,500	313		
2231370	K	GUIDER AV RAMP TO BSHP	BSHP		A		4	STATE	9/26/2024	6	7.8	VGOOD	10833.0	\$48,748,500	313		
2231380	K	CONEY ISLAND AVE	BSHP		A		4	STATE	11/13/2023	6	6.7	GOOD	19866.0	\$89,397,000	313		
2231390	K	E 12TH ST	BSHP		A		4	STATE	4/19/2024	5	5.65	FAIR	15908.0	\$71,586,000	315		
2231409	K	BSHP	SHEEPSHEAD BAY ROAD		A		1	STATE	4/15/2024	5	5.15	FAIR	6794.0	\$30,573,000	315		
2231419	K	BSHP	OCEAN AVE		A		3	STATE	3/26/2024	4	5.15	FAIR	14000.0	\$63,000,000	315		
2231429	K	BSHP	BEDFORD AVE		A		3	STATE	3/29/2024	4	5	FAIR	11941.0	\$53,734,500	315		
2231439	K	BSHP	NOSTRAND AVE		A		3	STATE	5/30/2024	4	5	FAIR	11154.0	\$50,193,000	315		
2231449	K	KNAPP ST	BSHP		A		1	STATE	5/1/2024	5	6.45	GOOD	9397.5	\$42,288,750	315		
2231450	K	BSHP	GERRITSEN INLET		WA		3	STATE	9/17/2024	7	7.35	GOOD	60016.0	\$270,072,000	356		
2231460	K	FLATBUSH AVE	BSHP		A		2	STATE	10/24/2023	6	6.8	GOOD	14058.0	\$63,261,000	356		
2231471	K	BSHP WB	MILL BASIN		WA		17	STATE	4/15/2024	7	7.35	GOOD	143262.0	\$644,679,000	318		
2231472	K	BSHP EB	MILL BASIN		WA		17	STATE	7/10/2023	7	7.8	VGOOD	191281.0	\$860,764,500	318		
2231481	K	BSHP WB	PAERDEGAT BASIN		WA		3	STATE	10/4/2023	7	7.45	GOOD	50325.0	\$226,462,500	318		
2231482	K	BSHP EB	PAERDEGAT BASIN		WA		5	STATE	12/23/2024	7	8	VGOOD	82308.0	\$370,386,000	318		
2231499	K	BSHP	ROCKAWAY PKWY		A		1	STATE	9/6/2024	7	8.35	VGOOD	10368.0	\$46,656,000	356		
2231509	K	BSHP	FRESH CREEK		WA		3	STATE	11/15/2023	6	7.15	GOOD	40095.0	\$180,427,500	356		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2231519	K	PENNSYLVANIA AVE	BSHP		A		2	STATE	6/13/2023	6	6.9	GOOD	6636.0	\$29,862,000	356		
2231559	Q	CROSS BAY BLVD	BSHP		A		4	STATE	6/10/2024	5	5.65	FAIR	23603.0	\$106,213,500	410		
2231560	Q	SOUTH CONDUIT BLVD	BSOP		A		2	STATE	7/1/2024	5	6.9	GOOD	15842.0	\$71,289,000	410		
2231570	Q	COHANCY ST	BSOP		A		2	STATE	4/26/2024	5	4.85	FAIR	6441.0	\$28,984,500	410		
2231590	Q	130TH ST	BSOP		A		2	STATE	1/25/2024	5	5.9	FAIR	6789.0	\$30,550,500	410		
2231610	Q	GUY R. BREWER BLVD	BSOP		A		4	STATE	7/26/2024	6	7.65	GOOD	12342.0	\$55,539,000	413		
2231620	Q	FARMERS BLVD	BSOP		A		2	STATE	5/10/2024	4	4.65	FAIR	6432.0	\$28,944,000	413		
2231630	Q	SPRINGFIELD BLVD	BSOP		A		2	STATE	5/15/2024	4	5.45	FAIR	8091.0	\$36,409,500	413		
2231640	Q	225TH ST	BSOP		A		2	STATE	5/22/2024	5	5.65	FAIR	6968.0	\$31,356,000	413		
2231650	Q	SUNRISE HWY WB	BLP EB		A		1	STATE	4/26/2024	4	5.35	FAIR	4070.0	\$18,315,000	413		
2231660	Q	SUNRISE HWY WB	BLP WB		A		2	STATE	4/5/2024	5	5.6	FAIR	5476.0	\$24,642,000	413		
2231670	Q	N CONDUIT AVE WB	BLP EB		A		1	STATE	1/22/2024	5	5.45	FAIR	4010.0	\$18,045,000	413		
2231680	Q	N CONDUIT AVE WB	BLP WB		A		2	STATE	2/23/2024	5	5	FAIR	6517.0	\$29,326,500	413		
2231690	Q	FRANCIS LEWIS BLVD	BLP EB		A		1	STATE	4/8/2024	5	6.13	FAIR	5986.0	\$26,937,000	413		
2231700	Q	FRANCIS LEWIS BLVD	BLP WB		A		1	STATE	4/8/2024	5	6.13	FAIR	5986.0	\$26,937,000	413		
2231710	Q	MERRICK BLVD	BLP NB		A		1	STATE	2/2/2024	4	5.56	FAIR	5976.0	\$26,892,000	413		
2231720	Q	MERRICK BLVD	BLP SB		A		1	STATE	2/2/2024	4	5.13	FAIR	5976.0	\$26,892,000	413		
2231730	Q	130TH AVE	BLP NB		A		1	STATE	2/16/2024	5	7.13	GOOD	4354.0	\$19,593,000	413		
2231740	Q	130TH AVE	BLP SB		A		1	STATE	2/21/2024	6	6	FAIR	4354.0	\$19,593,000	413		
2231750	Q	LINDEN BLVD	BCIP		A		2	STATE	3/26/2024	4	5	FAIR	6716.0	\$30,222,000	413		
2231760	Q	BCIP	DUTCH BROADWAY-115 AVE		A		1	STATE	3/20/2024	4	5.45	FAIR	7290.0	\$32,805,000	413		
2231770	Q	BELMONT PARK SOUTH RAMP	BCIP		AR	P	1	STATE	3/7/2024	5	5.8	FAIR	3161.0	\$14,224,500	413		
2231780	Q	HEMPSTEAD AVE	BCIP		A		2	STATE	1/30/2024	4	4.8	FAIR	14200.0	\$63,900,000	413		
2231790	Q	BELMONT PARK NORTH RAMP	BCIP		AR	P	1	STATE	2/22/2024	5	6	FAIR	3400.0	\$15,300,000	413		
2231800	Q	SUPERIOR ROAD	BCIP		A		2	STATE	4/18/2024	5	5.3	FAIR	6837.0	\$30,766,500	413		
2231819	Q	JAMAICA AVE	BCIP		A		2	STATE	5/17/2024	5	5.8	FAIR	10465.0	\$47,092,500	413		
2231829	Q	BRADDOCK AVE	BCIP		A		2	STATE	7/17/2024	5	5.56	FAIR	10600.0	\$47,700,000	413		
2231840	Q	HILLSIDE AVE	BCIP		A		2	STATE	4/29/2024	5	6	FAIR	9672.0	\$43,524,000	413		
2231850	Q	UNION TPKE	BCIP		A		2	STATE	5/8/2024	4	4.9	FAIR	14520.0	\$65,340,000	413		
2231860	Q	WALLEY ROAD	BCIP		A		2	STATE	7/7/2023	5	5.45	FAIR	7200.0	\$32,400,000	411		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2231870	Q	NORTHERN BLVD	BCIP		A		2	STATE	7/19/2024	6	7.35	GOOD	9394.0	\$42,273,000	411		
2231880	Q	CROCHERON PK PED	BCIP		PED-A	P	9	CITY	5/13/2024	5	5	FAIR	2300.0	\$10,350,000	411		
2231890	Q	28TH AVE PED BRIDGE	BCIP		PED-A	P	24	CITY	5/14/2024	5	5	FAIR	8461.0	\$38,074,500	411		
2231900	Q	BCIP	TOTTEN AVE		A		1	STATE	5/3/2024	4	4.8	FAIR	4788.0	\$21,546,000	407		
2231910	Q	UTOPIA PKWY	BCIP		A		2	STATE	4/2/2024	5	5	FAIR	6583.0	\$29,623,500	407		
2231920	Q	160TH ST	BCIP		A		2	STATE	7/7/2023	6	6.55	GOOD	5704.0	\$25,668,000	407		
2231930	Q	FRANCIS LEWIS BLVD	BCIP		A		3	STATE	2/16/2024	5	5.56	FAIR	9180.0	\$41,310,000	407		
2231940	Q	CLINTONVILLE ST	BCIP		A		2	STATE	2/16/2024	5	5.56	FAIR	7320.0	\$32,940,000	407		
2231950	Q	150TH ST	BCIP		A		2	STATE	2/16/2024	5	5.56	FAIR	5885.0	\$26,482,500	407		
2231960	Q	149TH ST	BCIP		A		2	STATE	2/1/2024	5	5.3	FAIR	6208.0	\$27,936,000	407		
2231970	Q	14TH AVE	BCIP		A		2	STATE	2/1/2024	5	5.45	FAIR	8064.0	\$36,288,000	407		
2231980	Q	147TH ST	BCIP		A		2	STATE	2/1/2024	5	5.56	FAIR	6278.0	\$28,251,000	407		
2232029	M	CORLEARS PARK ROAD	FDR DRIVE		A	P	4	STATE	10/8/2020	4	5.6	CLOSED	4247.0	\$19,111,500	103		
2232030	M	DELANCEY ST PED BRIDGE	FDR DRIVE		PED-A	P	12	CITY	4/12/2021	4	4.271	CLOSED	3390.0	\$15,255,000	103		
2232040	M	HOUSTON ST	FDR DRIVE		A		2	STATE	4/28/2023	7	8.2	VGOOD	11175.0	\$50,287,500	103		
2232050	M	E 6TH ST PED BRIDGE	FDR DRIVE		PED-A	P	19	CITY	3/26/2024	4	5.45	FAIR	3644.0	\$16,398,000	103		
2232060	M	FDR DRIVE	AVE C TO E 23RD ST		A		46	STATE	8/5/2024	6	6.1	FAIR	174724.0	\$786,258,000	106		
2232070	M	E 25TH ST PED BRIDGE	FDR DRIVE		PED-A		3	CITY	6/10/2024	4	5.2	FAIR	1700.0	\$7,650,000	106		
2232100	M	E 51ST ST PED BRIDGE	FDR DRIVE		PED-A	P	6	CITY	3/26/2024	5	5.2	FAIR	2090.0	\$9,405,000	106		
2232110	M	E 63TH ST PED BRIDGE	FDR DRIVE		PED-A		9	PRIV	11/29/2017		5.410	GOOD	2100.0	\$9,450,000	108		
2232120	M	E 71ST ST PED BRIDGE	FDR DRIVE		PED-A		14	PRIV	10/18/2019	5	7.2	GOOD	3195.0	\$14,377,500	108		
2232140	M	E 78TH ST PED BRIDGE	FDR DRIVE		PED-A	P	13	CITY	5/4/2024	6	6	FAIR	4242.0	\$19,089,000	108		
2232167	M	PROMENADE OVER FDR	FDR - E81ST ST - E90TH ST		PED-A	P	53	STATE	6/21/2023	4	4.45	FAIR	92538.0	\$416,421,000	108		
2232180	M	E 103RD ST PED BRIDGE	FDR DRIVE		PED-A		16	CITY	10/29/2024	5	5.35	FAIR	6185.0	\$27,832,500	111		
2232190	M	E 111TH ST PED BRIDGE	FDR DRIVE		PED-A	P	7	CITY	8/26/2024	4	5	FAIR	3686.0	\$16,587,000	111		
2232200	M	E 120TH ST PED BRIDGE	FDR DRIVE		PED-A	P	16	CITY	5/29/2024	5	5	FAIR	3185.0	\$14,332,500	111		
2233020	M	E 10TH ST PED BRIDGE	FDR DRIVE		PED-A	P	21	CITY	4/25/2023	5	5.8	FAIR	2754.0	\$12,393,000	103		
2233038	M	FDR DRIVE SB	FDR NB / E 62ND ST		A		34	STATE	8/16/2024	6	7.15	GOOD	54682.0	\$246,069,000	106	108	

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2233040	M	E 60TH ST	FDR DRIVE		A	P	17	CITY	5/16/2024	5	5	FAIR	23018.0	\$103,581,000	108		
2233051	M	HARLEM RIVER DRIVE SB	NB HRD RAMP TO E127TH ST		A		9	STATE	8/2/2024	7	8	VGOOD	56031.0	\$252,139,500	111		
2233052	M	HARLEM RIVER DRIVE NB	NB HRD RAMP TO E127TH ST		A		10	STATE	8/2/2024	7	8	VGOOD	38406.0	\$172,827,000	111		
2233080	K	E 14 ST PED BRIDGE	BSHP		PED-A		11	CITY	6/17/2024	5	5.65	FAIR	4715.0	\$21,217,500	315		
2240019	KM	BROOKLYN BRIDGE	EAST RIVER		WEO		75	STATE	11/27/2024	3	4.85	FAIR	515054.0	\$2,317,743,000	103	302	101
2240027	KM	MANHATTAN BRIDGE(LL)	EAST RIVER	T	WEO		23	STATE	11/14/2024	5	6.3	FAIR	616390.0	\$2,773,755,000	103	302	
2240028	KM	MANHATTAN BRIDGE(UL)	NYCTA TRACKS-BMT	T	WEO		43	STATE	11/3/2022	5	5.4	FAIR	587424.0	\$2,643,408,000	103	302	
2240039	KM	WILLIAMSBURG BRIDGE	EAST RIVER	T	WEO		53	STATE	12/14/2024	5	5.85	FAIR	780390.0	\$3,511,755,000	103	301	
2240047	MQ	QUEENSBORO BRIDGE (LL)	EAST RIVER	AL	WEO		53	STATE	10/28/2024	5	6	FAIR	627750.0	\$2,824,875,000	108	402	401
2240048	MQ	QUEENSBORO BRIDGE (UL)	EAST RIVER - LL		WEO		37	STATE	10/28/2024	5	7.35	GOOD	322260.0	\$1,450,170,000	108	402	401
2240059	BM	WILLIS AVE BRIDGE	HARLEM RIVER		WMO		15	STATE	9/20/2024	7	8.15	VGOOD	96087.0	\$432,391,500	111	201	
2240069	BM	THIRD AVE BRIDGE	HARLEM RIVER		WMO		14	STATE	9/23/2024	6	7.6	GOOD	85382.0	\$384,219,000	111	201	
2240079	BM	MADISON AVE BRIDGE	HARLEM RIVER		WMO		21	STATE	8/8/2024	5	6.8	GOOD	96338.0	\$433,521,000	111	201	
2240089	BM	145TH ST BRIDGE	HARLEM RIVER		WMO		8	STATE	7/27/2023	7	8.55	VGOOD	54374.0	\$244,683,000	110	204	201
2240120	BM	W 207TH/W FORDHAM RD	HARLEM RIVER		WMO		5	STATE	6/12/2024	5	7	GOOD	31784.0	\$143,028,000	112	207	
2240137	BM	BROADWAY BRIDGE	HARLEM RIVER	TM	WMO		3	STATE	12/4/2023	4	4.45	FAIR	46944.0	\$211,248,000	112	207	208
2240138	BM	NYCTA IRT	HARLEM RIVER/ BROADWAY	TM	WMO		3	STATE	12/4/2023	5	6.56	GOOD	19560.0	\$88,020,000	112	207	208
2240180	B	WESTCHESTER AVE	BRONX RIVER		WO		1	STATE	9/1/2023	5	6.55	GOOD	5490.0	\$24,705,000	202	209	
2240200	B	SHORE ROAD	HUTCHINSON RIVER		WMO		7	STATE	7/11/2024	3	4.85	FAIR	43836.0	\$197,262,000	228		
2240210	B	CITY ISLAND ROAD	EASTCHESTER BAY		WO		3	STATE	11/17/2023	7	7.8	VGOOD	38920.0	\$175,140,000	228		
2240231	K	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	STATE	8/2/2023	5	6	FAIR	7300.0	\$32,850,000	307	306	
2240232	K	HAMILTON AVE BRIDGE	GOWANUS CANAL		WMO		3	STATE	8/2/2023	5	6.2	FAIR	8611.0	\$38,749,500	306		
2240240	K	NINTH ST BRIDGE	GOWANUS CANAL		WMO		3	STATE	5/17/2023	6	7	GOOD	5824.0	\$26,208,000	306		
2240250	K	THIRD ST	GOWANUS CANAL		WMO		5	STATE	6/13/2024	4	4.65	FAIR	5088.0	\$22,896,000	306		
2240260	K	CARROLL ST	GOWANUS CANAL		WMO		2	STATE	11/8/2023	4	4.75	CLOSED	3024.0	\$13,608,000	306		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2240270	K	UNION ST	GOWANUS CANAL		WMO		5	STATE	11/7/2024	4	5	FAIR	4943.0	\$22,243,500	306		
2240290	K	METROPOLITAN AVE	ENGLISH KILLS		WMO		5	STATE	7/27/2023	5	6.05	FAIR	10550.0	\$47,475,000	301		
2240301	K	CROPSEY AVE SB	CONEY ISLAND CREEK		WO		3	STATE	2/27/2024	5	5.4	FAIR	9400.0	\$42,300,000	313		
2240302	K	CROPSEY AVE NB	CONEY ISLAND CREEK		WO		3	STATE	12/22/2023	4	4.75	FAIR	9400.0	\$42,300,000	313		
2240310	K	THIRD AVE	GOWANUS CANAL		WO		1	STATE	8/7/2023	6	6	FAIR	3765.0	\$16,942,500	306		
2240320	K	OCEAN AVE PED BRIDGE	SHEEPSHEAD BAY		PED-WO		30	CITY	5/22/2024	5	5.35	FAIR	4785.0	\$21,532,500	315		
2240350	R	RICHMOND AVE	RICHMOND CREEK		WO		3	STATE	5/24/2023	5	5.55	FAIR	32589.0	\$146,650,500	502		
2240370	KQ	GREENPOINT AVE BRIDGE	NEWTOWN CREEK	L	WMO		12	STATE	9/30/2024	5	5.65	FAIR	75320.0	\$338,940,000	301	402	
2240390	KQ	GRAND ST BRIDGE	NEWTOWN CREEK		WMO		2	STATE	12/10/2024	4	4.9	FAIR	7176.0	\$32,292,000	301	405	
2240410	Q	BORDEN AVE	DUTCH KILLS		WMO		2	STATE	8/5/2024	5	5.65	FAIR	8450.0	\$38,025,000	402		
2240440	Q	NORTHERN BLVD	ALLEY CREEK		WO		2	STATE	7/11/2023	4	5.65	FAIR	8249.0	\$37,120,500	411		
2240450	Q	HUNTERS PT AVE	DUTCH KILLS		WMO		4	STATE	7/23/2024	5	7.35	GOOD	12168.0	\$54,756,000	402		
2240507	Q	ROOSEVELT AVE	678I - FLUSHING RIVER		WA		27	STATE	10/27/2023	5	5.5	FAIR	63847.0	\$287,311,500	407	481	
2240540	K	STILLWELL AVE	CONEY ISLAND CRK		WO		2	STATE	5/19/2023	6	6.8	GOOD	17408.0	\$78,336,000	313		
2240620	M	WARDS ISLAND PED BRIDGE	HARLEM RIVER		PED-WMO		10	CITY	3/24/2023	5	6	FAIR	16910.0	\$76,095,000	111		
2240639	KQ	PULASKI BRIDGE	NEWTOWN CREEK		WMO		44	STATE	11/19/2024	5	5.2	FAIR	206623.0	\$929,803,500	301	402	
2240640	MQ	ROOSEVELT ISLAND BRIDGE	E. RIVER E. CHANNEL		WMO		8	STATE	11/15/2024	5	6.65	GOOD	39757.0	\$178,906,500	108	401	
2240650	Q	163RD AVE PED BRIDGE	HAWTREE BASIN		PED-WO		13	CITY	12/16/2024	5	5.8	FAIR	4274.0	\$19,233,000	410		
2240660	Q	RIKERS ISLAND BRIDGE	RIKERS ISL CHANNEL		WO		56	STATE	9/18/2024	5	5.35	FAIR	179565.0	\$808,042,500	401	480	
2241000	B	WESTCHESTER AVE	CSX PT MORRIS - (ABANDONED)		O		1	STATE	12/16/2024	5	5.2	FAIR	3000.0	\$13,500,000	201		
2241050	B	E 149TH ST/JACKSON AVE	CSX PT MORRIS - (ABANDONED)		O		1	STATE	4/25/2024	5	5.2	FAIR	59400.0	\$267,300,000	201		
2241060	B	ST. MARYS & CON-CORD	CSX PT MORRIS - (ABANDONED)		O		1	STATE	5/14/2024	5	6.35	FAIR	2589.0	\$11,650,500	201		
2241070	B	WALES AVE	CSX PT MORRIS - (ABANDONED)		O		1	STATE	5/14/2024	6	7.55	GOOD	2535.0	\$11,407,500	201		
2241080	B	SOUTHERN BLVD	CSX PT MORRIS - (ABANDONED)		O		1	STATE	5/14/2024	5	5.8	FAIR	3900.0	\$17,550,000	201		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2241099	B	BRUCKNER BLVD	CSX TRANS - PT MORRIS	X	O		1	STATE	5/22/2024	6	6.9	GOOD	6688.0	\$30,096,000	201		
2241110	B	MELROSE AVE	CSX PT MORRIS - (ABANDONED)		O		8	STATE	8/7/2023	6	7	GOOD	37876.0	\$170,442,000	203		
2241129	B	E 149TH ST	AMTRAK - CSX	AX	O		2	STATE	9/19/2023	5	6	FAIR	18258.0	\$82,161,000	201	202	
2241139	B	LEGGETT AVE	AMTRAK - CSX	AX	O		3	STATE	9/19/2023	5	6	FAIR	41741.0	\$187,834,500	202		
2241159	B	LONGWOOD AVE	AMTRAK - CSX	AX	O		2	STATE	9/19/2023	5	6	FAIR	10625.0	\$47,812,500	202		
2241169	B	LAFAYETTE AVE	AMTRAK - CSX	AX	O		1	STATE	9/12/2023	5	6.45	GOOD	12100.0	\$54,450,000	202		
2241170	B	TIFFANY ST	AMTRAK - CSX	AX	O		1	STATE	2/28/2024	6	7	GOOD	7289.0	\$32,800,500	202		
2241180	B	BARRETTO ST	AMTRAK - CSX	AX	O		1	STATE	9/12/2023	5	6.55	GOOD	5433.0	\$24,448,500	202		
2241190	B	HUNTS POINT AVE	AMTRAK - CSX	AX	O		1	STATE	9/14/2023	5	6	FAIR	9847.0	\$44,311,500	202		
2241200	B	FAILE ST	AMTRAK - CSX	AX	O		1	STATE	9/27/2023	6	6.55	GOOD	5970.0	\$26,865,000	202		
2241210	B	BRYANT AVE	AMTRAK - CSX	AX	O		1	STATE	3/12/2024	7	7.35	GOOD	4076.0	\$18,342,000	202		
2241230	B	WESTCHESTER AVE	AMTRAK - CSX	AX	O		3	STATE	5/7/2024	5	6	FAIR	11316.0	\$50,922,000	202	209	
2241259	B	204TH ST PED BRIDGE	METRO NORTH RR HAR	M	PED-O	P	1	CITY	4/11/2023	4	6	FAIR	4700.0	\$21,150,000	227	207	
2241269	B	E 177TH ST	AMTRAK - CSX	AX	O		3	STATE	2/7/2023	6	6.9	GOOD	16606.0	\$74,727,000	206		
2241270	B	E TREMONT AVE	AMTRAK - CSX	AX	O		2	STATE	2/7/2023	5	6.65	GOOD	21360.0	\$96,120,000	209	211	
2241329	B	WHITE PLAINS ROAD	AMTRAK - CSX	AX	O		1	STATE	5/28/2024	5	5.55	FAIR	10636.0	\$47,862,000	211		
2241330	B	UNIONPORT ROAD	AMTRAK - CSX	AX	O		1	STATE	10/12/2023	5	6.65	GOOD	7709.0	\$34,690,500	211		
2241369	B	WILLIAMSBRIDGE RD	AMTRAK - CSX	AX	O		2	STATE	12/5/2024	5	6.2	FAIR	10395.0	\$46,777,500	211		
2241380	B	PELHAM BAY PK EQUES	AMTRAK - CSX	AX	PED-O	P	1	CITY	2/23/2023	4	4.45	FAIR	7300.0	\$32,850,000	228		
2241390	B	SHORE RD CIRCLE	AMTRAK - CSX	AX	O		1	STATE	3/6/2024	6	7.8	VGOOD	8106.0	\$36,477,000	228		
2241409	B	GRAND CONCOURSE	METRO NORTH RR HUD	MT	O		1	STATE	11/21/2024	4	5	FAIR	13750.0	\$61,875,000	204		
2241410	B	WALTON AVE	METRO NORTH RR HUD	M	O		1	STATE	7/3/2024	4	5.2	FAIR	5782.0	\$26,019,000	204		
2241420	B	GERARD AVE	METRO NORTH RR HUD	M	O		1	STATE	7/3/2024	6	7	GOOD	5122.0	\$23,049,000	204		
2241430	B	RIVER AVE	METRO NORTH RR HUD	M	O		1	STATE	10/17/2023	6	7	GOOD	5184.0	\$23,328,000	204		
2241460	B	W TREMONT AVE	METRO NORTH RR HUD	M	O		8	STATE	7/30/2024	4	4.9	FAIR	12920.0	\$58,140,000	205		
2241470	B	W FORDHAM RD	METRO NORTH RR HUD	M	O		4	STATE	11/9/2023	6	6.8	GOOD	16052.0	\$72,234,000	207		
2241489	B	W 225TH ST	MNRR YARD TRACKS	M	O		2	STATE	9/23/2024	6	7	GOOD	10214.0	\$45,963,000	207	208	
2241490	B	W 230TH ST	CSX PUTNAM (ABANDONED)		O		1	STATE	4/27/2023	5	6.55	GOOD	5642.0	\$25,389,000	208		
2241509	B	W 231ST ST	CSX PUTNAM (ABANDONED)		O		1	STATE	5/10/2024	5	6	FAIR	4723.0	\$21,253,500	208		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2241510	B	W 233RD ST	CSX PUTNAM (ABAN-DONED)		O		1	STATE	4/28/2023	5	6.2	FAIR	3774.0	\$16,983,000	208		
2241520	B	W 234TH ST	CSX PUTNAM (ABAN-DONED)		O		1	STATE	4/28/2023	5	6	FAIR	3774.0	\$16,983,000	208		
2241550	B	E 144TH ST	METRO NORTH RR HAR	M	O		2	STATE	10/25/2023	6	7	GOOD	8415.0	\$37,867,500	201		
2241560	B	E 149TH ST	METRO NORTH RR HAR	M	O		8	STATE	6/26/2024	5	5.55	FAIR	29800.0	\$134,100,000	201	204	
2241590	B	CONCOURSE VILLAGE E	METRO NORTH RR HAR	M	O		1	STATE	6/27/2024	4	5.15	FAIR	12077.0	\$54,346,500	204		
2241600	B	E 158TH ST	METRO NORTH RR HAR	M	O		1	STATE	11/8/2023	5	6	FAIR	3400.0	\$15,300,000	204		
2241610	B	E 161ST ST	METRO NORTH RR HAR	M	O		1	STATE	10/26/2023	5	6.55	GOOD	6643.0	\$29,893,500	204	203	
2241620	B	E 162ND ST	METRO NORTH RR HAR	M	O		1	STATE	7/19/2024	5	6	FAIR	4665.0	\$20,992,500	203		
2241630	B	E 165TH ST	METRO NORTH RR HAR	M	O		1	STATE	7/19/2024	4	5.8	FAIR	16442.0	\$73,989,000	203		
2241650	B	E 167TH ST	METRO NORTH RR HAR	M	O		1	STATE	4/24/2024	5	6.55	GOOD	3560.0	\$16,020,000	203		
2241660	B	E 168TH ST	METRO NORTH RR HAR	M	O		1	STATE	4/24/2024	5	6	FAIR	5920.0	\$26,640,000	203		
2241670	B	E 169TH ST	METRO NORTH RR HAR	M	O		1	STATE	4/26/2024	4	5.35	FAIR	3100.0	\$13,950,000	203		
2241680	B	E 170TH ST	METRO NORTH RR HAR	M	O		1	STATE	4/26/2024	6	7	GOOD	3239.0	\$14,575,500	203		
2241700	B	ST PAULS PL PED BRIDGE	METRO NORTH RR HAR	M	PED-O		2	CITY	4/11/2023	7	7	GOOD	888.0	\$3,996,000	203		
2241710	B	CLAREMONT PKWY	METRO NORTH RR HAR	M	O		1	STATE	3/13/2024	6	7	GOOD	6000.0	\$27,000,000	203		
2241720	B	E 173RD ST	METRO NORTH RR HAR	M	O		1	STATE	3/13/2024	5	5.8	FAIR	3000.0	\$13,500,000	203		
2241740	B	E 175TH ST	METRO NORTH RR HAR	M	O		1	STATE	5/30/2024	7	9	VGOOD	3584.0	\$16,128,000	206		
2241760	B	E TREMONT AVE	METRO NORTH RR HAR	M	O		1	STATE	10/13/2023	6	7.35	GOOD	8775.0	\$39,487,500	206		
2241770	B	E 178TH ST PED BRIDGE	METRO NORTH RR HAR	M	PED-O		1	CITY	4/11/2023	7	7	GOOD	731.0	\$3,289,500	206		
2241780	B	E 179TH ST PED BRIDGE	METRO NORTH RR HAR	M	PED-O		6	CITY	4/11/2023	7	7	GOOD	1011.0	\$4,549,500	206		
2241790	B	E 180TH ST	METRO NORTH RR HAR	M	O		1	STATE	5/31/2024	4	5	FAIR	4960.0	\$22,320,000	206		
2241800	B	E 183TH ST	METRO NORTH RR HAR	M	O		1	STATE	7/12/2024	4	5.8	FAIR	4080.0	\$18,360,000	206		
2241810	B	E 188TH ST	METRO NORTH RR HAR	M	O		1	STATE	5/22/2024	4	4.8	FAIR	5280.0	\$23,760,000	206		
2241820	B	E 187TH ST	METRO NORTH RR HAR	M	O		1	STATE	5/22/2024	5	5.8	FAIR	3780.0	\$17,010,000	206		
2241839	B	FORDHAM RD - E 189TH ST	METRO NORTH RR HAR	M	O		1	STATE	11/29/2023	6	6.8	GOOD	41762.0	\$187,929,000	206	207	
2241840	B	BEDFORD PARK BLVD	METRO NORTH RR HAR	M	O		1	STATE	6/20/2024	4	5.8	FAIR	6500.0	\$29,250,000	227	207	
2241850	B	CONN RD BETWEEN MOS	METRO NORTH RR-HAR	M	O	PD	1	STATE	6/7/2024	4	5.35	FAIR	5515.0	\$24,817,500	227	207	

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2241860	B	GUN HILL RD	METRO NORTH RR HAR	M	O		1	STATE	7/26/2024	5	6	FAIR	9109.0	\$40,990,500	212		
2241870	B	E 233RD ST	METRO NORTH RR HAR	M	O		1	STATE	6/20/2024	5	6	FAIR	7664.0	\$34,488,000	212	207	
2241890	B	E 241ST ST	BRP, METRO NORTH HAR	M	WO		24	STATE	2/26/2024	4	5	FAIR	49501.0	\$222,754,500	212		
2241900	B	EASTCHESTER ROAD	NYCTA-DYRE AVE LN	T	O		3	STATE	1/13/2023	5	5.55	FAIR	13500.0	\$60,750,000	212		
2241910	B	GUN HILL ROAD	NYCTA-DYRE AVE LN	T	O		1	STATE	1/13/2023	6	8	VGOOD	7500.0	\$33,750,000	211	212	
2241930	B	BEDFORD PARK BLVD	NYCTA IND YARDS	T	O		4	STATE	1/13/2023	6	7.15	GOOD	39525.0	\$177,862,500	207		
2241940	B	W 205TH ST	NYCTA IND YARDS	T	O		4	STATE	1/13/2023	6	6.8	GOOD	32508.0	\$146,286,000	207		
2241959	B	HUTCHINSON RVR PKWY	AMTRAK - CSX	AX	O		1	STATE	1/9/2023	6	6.65	GOOD	15522.0	\$69,849,000	210	211	
2242010	B	EAST FORDHAM RD	BRONX RIVER		WO		1	STATE	4/30/2024	5	6	FAIR	9557.0	\$43,006,500	227		
2242029	B	SOUTHERN BLVD	EAST FORDHAM ROAD		O		2	STATE	2/2/2024	5	6.45	GOOD	13390.0	\$60,255,000	227		
2242030	B	CROTONA AVE	EAST FORDHAM ROAD		O		2	STATE	2/2/2024	5	5.45	FAIR	7968.0	\$35,856,000	206		
2242071	B	BRONX BLVD SB	BRONX RIVER		WO		1	STATE	4/12/2024	5	5.44	FAIR	1785.0	\$8,032,500	212		
2242072	B	BRONX BLVD NB	BRONX RIVER		WO		1	STATE	4/12/2024	5	5.44	FAIR	1771.0	\$7,969,500	212		
2242081	B	BRONX BLVD SB	BRONX RIVER		WO		1	STATE	4/12/2024	4	5	FAIR	2797.0	\$12,586,500	212		
2242082	B	BRONX BLVD NB	BRONX RIVER		WO		1	STATE	4/12/2024	5	5.56	FAIR	2812.0	\$12,654,000	212		
2242099	B	PARK ROAD (204TH ST)	BRONX RIVER		WO		1	STATE	3/22/2024	5	5.56	FAIR	4686.0	\$21,087,000	212		
2242100	B	BOTANICAL GARDEN ROAD	TWIN LAKES		WO	P	1	STATE	1/22/2024	5	6	FAIR	2074.0	\$9,333,000	227		
2242110	B	BOSTON ROAD	BRONX RIVER		WO		1	STATE	1/22/2024	5	6	FAIR	5517.6	\$24,829,200	227		
2242120	B	FOOTBRIDGE NORTH OF RTE 1 (HESTER BRIDGE)	BRONX RIVER		PED-WO	P	1	CITY	11/26/2024	5	5.56	FAIR	1900.0	\$8,550,000	227		
2242149	B	EAST TREMONT AVE	BRONX RIVER		WO		2	STATE	5/13/2024	5	6	FAIR	12816.0	\$57,672,000	206		
2242210	B	MAGNOLIA WAY	BRONX RIVER		WO	P	3	STATE	4/29/2024	4	5	FAIR	6183.0	\$27,823,500	227		
2242220	B	SNUFF MILL ROAD	BRONX RIVER		WO	P	2	STATE	11/14/2023	4	5	FAIR	4760.0	\$21,420,000	227		
2242259	B	GRAND CONCOURSE	E 161ST ST		O		1	STATE	4/19/2024	6	6.9	GOOD	27285.0	\$122,782,500	204		
2242260	B	EAGLE AVE	E 161ST ST		O		1	STATE	3/8/2024	5	5.85	FAIR	2860.0	\$12,870,000	201	203	
2242280	B	GRAND CONCOURSE	E 167TH ST		O		2	STATE	4/17/2024	5	6	FAIR	38100.0	\$171,450,000	204		
2242299	B	GRAND CONCOURSE	E 138TH ST		O		1	STATE	6/7/2023	5	6.56	GOOD	8120.0	\$36,540,000	201		
2242300	B	GRAND CONCOURSE	E 170TH ST		O		2	STATE	4/18/2024	5	6	FAIR	35917.0	\$161,626,500	204		
2242319	B	GRAND CONCOURSE	E 174TH ST	T	O		1	STATE	3/26/2024	4	5	FAIR	15120.0	\$68,040,000	204		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2242329	B	GRAND CONCOURSE	E 175TH ST	T	O		1	STATE	4/19/2024	5	5.56	FAIR	12060.0	\$54,270,000	205		
2242330	B	GRAND CONCOURSE	EAST TREMONT AVE		O		1	STATE	8/8/2023	6	7.35	GOOD	11721.0	\$52,744,500	205		
2242340	B	GRAND CONCOURSE	EAST KINGSBRIDGE RD		O		2	STATE	4/9/2024	5	6	FAIR	18975.0	\$85,387,500	207		
2242350	B	EAST FORDHAM RD	GRAND CONCOURSE		O		1	STATE	4/4/2024	5	6	FAIR	9828.0	\$44,226,000	205	207	
2242360	B	GRAND CONCOURSE	EAST BURNSIDE AVE		O		2	STATE	5/20/2024	4	5	FAIR	8736.0	\$39,312,000	205		
2242370	B	GRAND CONCOURSE	BEDFORD PARK BLVD		O		1	STATE	1/26/2023	4	5.2	FAIR	9435.0	\$42,457,500	207		
2242380	B	GRAND CONCOURSE	E 204TH ST		O		1	STATE	8/9/2023	6	7.35	GOOD	10065.0	\$45,292,500	207		
2242400	B	EAST 180TH ST	BRONX RIVER		WO		1	STATE	5/23/2024	4	5	FAIR	4550.0	\$20,475,000	206	227	
2242430	B	GUN HILL ROAD	BRONX BLVD		O		4	STATE	3/25/2024	5	6	FAIR	9286.0	\$41,787,000	212		
2242440	B	GUN HILL ROAD	BRONX RIVER		WO		1	STATE	1/16/2024	5	6	FAIR	5704.0	\$25,668,000	212		
2242459	B	EAST 233RD ST	BRONX RIVER		WO		1	STATE	1/19/2024	4	5	FAIR	5236.0	\$23,562,000	212		
2242460	B	EAST 233RD ST	ENTR RD BNX RVR PKWY		O		1	STATE	11/10/2023	5	6.56	GOOD	4500.0	\$20,250,000	212		
2243010	K	LINCOLN ROAD	BMT SUBWAY, BRIGH-TON	T	O		1	STATE	6/3/2024	6	6.8	GOOD	6243.0	\$28,093,500	309		
2243020	K	PARKSIDE AVE - OCEAN AVE	BMT SUBWAY, BRIGH-TON	T	O		6	STATE	9/18/2024	4	4.44	FAIR	48700.0	\$219,150,000	309	314	
2243040	K	CROOKE AVE	BMT SUBWAY, BRIGH-TON	T	O		4	STATE	5/8/2024	4	4.44	FAIR	6000.0	\$27,000,000	314		
2243050	K	CATON AVE	BMT SUBWAY, BRIGH-TON	T	O		4	STATE	2/15/2024	4	5	FAIR	20820.0	\$93,690,000	314		
2243080	K	E 18TH ST - CHURCH AVE	BMT SUBWAY, BRIGH-TON	T	O		4	STATE	3/1/2024	4	5	FAIR	18550.0	\$83,475,000	314		
2243100	K	BEVERLY ROAD	BMT SUBWAY, BRIGH-TON	T	O		3	STATE	9/19/2024	4	4.85	FAIR	4352.0	\$19,584,000	314		
2243110	K	CORTELYOU ROAD	BMT SUBWAY, BRIGH-TON	T	O		3	STATE	3/7/2024	6	7.2	GOOD	4810.0	\$21,645,000	314		
2243120	K	DORCHESTER ROAD	BMT SUBWAY, BRIGH-TON	T	O		1	STATE	6/10/2024	5	6.35	FAIR	5020.0	\$22,590,000	314		
2243130	K	DITMAS AVE	BMT SUBWAY, BRIGH-TON	T	O		1	STATE	3/8/2024	6	7	GOOD	5150.0	\$23,175,000	314		
2243140	K	NEWKIRK AVE	BMT SUBWAY, BRIGH-TON	T	O		3	STATE	6/12/2024	4	5	FAIR	5475.0	\$24,637,500	314		
2243150	K	FOSTER AVE	BMT SUBWAY, BRIGH-TON	T	O		1	STATE	5/10/2024	4	5.3	FAIR	4555.0	\$20,497,500	314		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2243170	K	STERLING PLACE	FRANKLIN SHUTTLE	T	O		1	STATE	3/6/2024	6	7	GOOD	2300.0	\$10,350,000	308		
2243180	K	ST JOHNS PLACE	FRANKLIN SHUTTLE	T	O		1	STATE	3/5/2024	7	7	GOOD	2300.0	\$10,350,000	308		
2243190	K	LINCOLN PLACE	FRANKLIN SHUTTLE	T	O		1	STATE	6/14/2024	6	6.55	GOOD	2460.0	\$11,070,000	308		
2243200	K	UNION ST	FRANKLIN SHUTTLE	T	O		2	STATE	6/19/2024	5	5.9	FAIR	4100.0	\$18,450,000	309		
2243210	K	PRESIDENT ST	FRANKLIN SHUTTLE	T	O		2	STATE	7/30/2024	5	6	FAIR	2500.0	\$11,250,000	309		
2243220	K	CARROLL ST PED BRIDGE	FRANKLIN SHUTTLE	T	PED-O		3	CITY	2/6/2023	5	6	FAIR	769.0	\$3,460,500	309		
2243230	K	CROWN ST	FRANKLIN SHUTTLE	T	O		3	STATE	12/7/2023	5	6	FAIR	4060.0	\$18,270,000	309		
2243240	K	MONTGOMERY ST	FRANKLIN SHUTTLE	T	O		1	STATE	10/24/2023	6	6.35	FAIR	2240.0	\$10,080,000	309		
2243250	K	WASHINGTON AVE	FRANKLIN SHUTTLE	T	O		1	STATE	7/25/2024	6	7	GOOD	5957.0	\$26,806,500	309	355	
2243260	K	FLATBUSH AVE	FRANKLIN SHUTTLE	T	O		2	STATE	7/29/2024	5	6.35	FAIR	13794.0	\$62,073,000	309		
2243279	K	EASTERN PKWY	FRANKLIN SHUTTLE	T	O		1	STATE	6/18/2024	5	6	FAIR	7686.0	\$34,587,000	309	308	
2243280	K	6TH AVE	LIRR ATLANTIC AVE	L	O		9	STATE	12/10/2024	5	6	FAIR	12524.0	\$56,358,000	302		
2243290	K	CARLTON AVE	LIRR ATLANTIC AVE	L	O		4	STATE	11/27/2023	7	7.45	GOOD	15400.0	\$69,300,000	302		
2243310	K	2ND AVE	LIRR BAY RIDGE	N	O		2	STATE	10/18/2024	6	7.35	GOOD	17830.0	\$80,235,000	310		
2243320	K	3RD AVE	LIRR BAY RIDGE	N	O		4	STATE	9/1/2023	5	6.35	FAIR	17246.0	\$77,607,000	310		
2243330	K	4TH AVE	LIRR BAY RIDGE	NT	O		4	STATE	12/6/2023	5	6	FAIR	13845.0	\$62,302,500	310		
2243340	K	15TH AVE	LIRR BAY RIDGE	N	O		1	STATE	8/9/2024	6	7	GOOD	3614.0	\$16,263,000	311		
2243350	K	60TH ST	LIRR BAY RIDGE	N	O		1	STATE	8/25/2023	6	6.8	GOOD	3983.0	\$17,923,500	311		
2243360	K	16TH AVE	LIRR BAY RIDGE	N	O		1	STATE	8/19/2024	6	6.8	GOOD	5403.0	\$24,313,500	311		
2243370	K	17TH AVE	LIRR BAY RIDGE	N	O		1	STATE	8/20/2024	5	6	FAIR	3406.0	\$15,327,000	312		
2243380	K	18TH AVE	LIRR BAY RIDGE	N	O		1	STATE	8/2/2024	6	6.55	GOOD	6006.0	\$27,027,000	312		
2243390	K	52ND ST	LIRR BAY RIDGE	N	O		1	STATE	8/5/2024	6	7.35	GOOD	3267.0	\$14,701,500	312		
2243400	K	50TH ST	LIRR BAY RIDGE	N	O		2	STATE	8/28/2023	5	5.55	FAIR	6780.0	\$30,510,000	312		
2243410	K	MCDONALD AVE	LIRR BAY RIDGE	N	O		1	STATE	8/6/2024	5	6.55	GOOD	2974.0	\$13,383,000	312		
2243420	K	EAST 3RD ST	LIRR BAY RIDGE	N	O		1	STATE	8/22/2023	6	6.55	GOOD	1840.0	\$8,280,000	312		
2243439	K	OCEAN PKWY	LIRR BAY RIDGE	N	O		1	STATE	8/22/2024	5	6.1	FAIR	7000.0	\$31,500,000	312		
2243440	K	CONEY ISLAND AVE	LIRR BAY RIDGE	N	O		1	STATE	7/30/2024	5	5.65	FAIR	3231.0	\$14,539,500	312		
2243450	K	EAST 14TH ST	LIRR BAY RIDGE	N	O		1	STATE	7/31/2024	5	6.2	FAIR	1775.0	\$7,987,500	314		
2243460	K	EAST 15TH ST PED BRIDGE	LIRR BAY RIDGE	N	PED-O		3	CITY	7/31/2020	5	5.507	GOOD	900.0	\$4,050,000	314		
2243480	K	OCEAN AVE	LIRR BAY RIDGE	N	O		2	STATE	7/1/2024	5	6	FAIR	5192.0	\$23,364,000	314		
2243490	K	BEDFORD AVE	LIRR BAY RIDGE	N	O		6	STATE	7/3/2024	5	6.2	FAIR	15447.0	\$69,511,500	314		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2243500	K	NOSTRAND AVE	LIRR BAY RIDGE	N	O		2	STATE	8/1/2024	6	7	GOOD	4320.0	\$19,440,000	314		
2243510	K	FLATBUSH AVE	LIRR BAY RIDGE	N	O		2	STATE	9/3/2024	4	5.35	FAIR	5880.0	\$26,460,000	318		
2243520	K	BROOKLYN AVE	LIRR BAY RIDGE	N	O		3	STATE	8/23/2023	6	6	FAIR	4582.0	\$20,619,000	318		
2243530	K	ALBANY AVE - AVE H	LIRR BAY RIDGE	N	O		2	STATE	8/25/2023	6	6.35	FAIR	35100.0	\$157,950,000	318		
2243569	K	ATLANTIC AVE	LIRR ATLANTIC AVE	L	O		75	STATE	12/4/2023	5	6.4	FAIR	135100.0	\$607,950,000	316	305	
2243570	K	86TH ST	BMT SEA BEACH	T	O		1	STATE	5/30/2024	6	7	GOOD	12167.0	\$54,751,500	313		
2243580	K	5TH AVE	LIRR & SEA BEACH	NT	O		4	STATE	10/4/2024	4	5	FAIR	12462.0	\$56,079,000	310		
2243590	K	6TH AVE	LIRR & SEA BEACH	NT	O		2	STATE	12/18/2023	6	6.9	GOOD	14382.0	\$64,719,000	310		
2243600	K	7TH AVE	LIRR & SEA BEACH	NT	O		7	STATE	9/24/2024	6	6.35	FAIR	18699.0	\$84,145,500	310		
2243610	K	8TH AVE	LIRR & SEA BEACH	NT	O		2	STATE	12/14/2023	6	7.35	GOOD	10834.0	\$48,753,000	310		
2243620	K	FORT HAMILTON PKWY	LIRR & SEA BEACH	NT	O		3	STATE	8/1/2024	5	6	FAIR	12640.0	\$56,880,000	310		
2243630	K	11TH AVE	LIRR & SEA BEACH	NT	O		5	STATE	8/2/2024	6	7.25	GOOD	9600.0	\$43,200,000	310		
2243640	K	13TH AVE	LIRR & SEA BEACH	NT	O		5	STATE	12/14/2023	5	5.85	FAIR	16000.0	\$72,000,000	310		
2243650	K	14TH AVE	LIRR BAY RIDGE	N	O		1	STATE	8/12/2024	6	7.35	GOOD	4800.0	\$21,600,000	311		
2243660	K	NEW UTRECHT AVE	LIRR BAY RIDGE	N	O		1	STATE	8/7/2024	6	7.35	GOOD	2416.0	\$10,872,000	311		
2243670	K	15TH AVE	BMT SEA BEACH	T	O		4	STATE	11/21/2023	6	7.45	GOOD	10858.0	\$48,861,000	311		
2243680	K	16TH AVE	BMT SEA BEACH	T	O		3	STATE	6/4/2024	5	5.9	FAIR	6816.0	\$30,672,000	311		
2243690	K	17TH AVE	BMT SEA BEACH	T	O		4	STATE	5/14/2024	6	6.35	FAIR	5292.0	\$23,814,000	311		
2243700	K	18TH AVE	BMT SEA BEACH	T	O		1	STATE	10/25/2023	6	7.7	VGOOD	5200.0	\$23,400,000	311		
2243710	K	19TH AVE	BMT SEA BEACH	T	O		4	STATE	10/10/2024	3	4	POOR	4800.0	\$21,600,000	311		
2243720	K	20TH AVE	BMT SEA BEACH	T	O		1	STATE	5/6/2024	7	8	VGOOD	7000.0	\$31,500,000	311		
2243730	K	65TH ST	BMT SEA BEACH	T	O		4	STATE	5/13/2024	5	5.44	FAIR	12000.0	\$54,000,000	311		
2243740	K	BAY PKWY	BMT SEA BEACH	T	O		4	STATE	5/15/2024	5	5	FAIR	16800.0	\$75,600,000	311		
2243750	K	AVENUE O	BMT SEA BEACH	T	O		1	STATE	12/8/2023	6	6.45	GOOD	4658.0	\$20,961,000	311		
2243760	K	AVENUE P	BMT SEA BEACH	T	O		1	STATE	10/26/2023	6	7.25	GOOD	5544.0	\$24,948,000	311		
2243770	K	KINGS HIGHWAY	BMT SEA BEACH	T	O		1	STATE	11/20/2023	6	7.65	GOOD	5032.0	\$22,644,000	311		
2243780	K	HIGHLAWN AVE	BMT SEA BEACH	T	O		1	STATE	11/16/2023	6	7.9	VGOOD	6960.0	\$31,320,000	311		
2243790	K	AVENUE S	BMT SEA BEACH	T	O		1	STATE	12/12/2023	6	7.45	GOOD	5360.0	\$24,120,000	315		
2243800	K	AVENUE T	BMT SEA BEACH	T	O		1	STATE	12/11/2023	6	6.8	GOOD	5360.0	\$24,120,000	311		
2243810	K	AVENUE U	BMT SEA BEACH	T	O		1	STATE	5/17/2024	5	6.25	FAIR	5846.0	\$26,307,000	315		
2243820	K	21ST AVE	BMT SEA BEACH	T	O		4	STATE	10/8/2024	3	4	POOR	21360.0	\$96,120,000	311		
2243839	K	4TH AVE	NYCTA BMT TRACKS	T	O		1	STATE	12/5/2023	6	7.2	GOOD	4440.0	\$19,980,000	307		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2243840	K	9TH AVE	NYCTA BMT YARD	T	O		5	STATE	12/4/2023	6	6.35	FAIR	12400.0	\$55,800,000	312		
2243850	K	LIBERTY AVE	LIRR BAY RIDGE	N	O		3	STATE	12/3/2024	6	7.2	GOOD	6716.0	\$30,222,000	316		
2243860	K	GLENMORE AVE	LIRR BAY RIDGE	N	O		2	STATE	8/13/2024	7	7.55	GOOD	5668.0	\$25,506,000	316		
2243870	K	PITKIN AVE	LIRR BAY RIDGE	N	O		2	STATE	8/14/2024	7	7.35	GOOD	5464.0	\$24,588,000	316		
2243890	K	SUTTER AVE	LIRR BAY RIDGE	N	O		3	STATE	8/15/2024	6	8	VGOOD	5607.0	\$25,231,500	316		
2243900	K	BLAKE AVE	LIRR BAY RIDGE	N	O		3	STATE	8/8/2024	5	6.2	FAIR	4955.0	\$22,297,500	316		
2243910	K	LIVONIA AVE PED BRIDGE	LIRR BAY RIDGE	N	PED-O		6	CITY	2/7/2023	5	5	FAIR	2500.0	\$11,250,000	316		
2243920	K	7TH AVE	NYCTA BMT YARD	T	O		2	STATE	7/31/2024	5	7.1	GOOD	3080.0	\$13,860,000	307		
2243940	K	9TH AVE	NYCTA IND SBWY	T	O		5	STATE	11/22/2023	5	5.55	FAIR	6496.0	\$29,232,000	312		
2244010	K	EAST DRIVE (ENDALE ARCH)	PED PATH NR GRND ARMY PLAZA		O	P	1	CITY	7/18/2023	5	6	FAIR	1533.0	\$6,898,500	355		
2244020	K	WEST DRIVE (MEADOWPORT ARCH)	PED PATH NR GRND ARMY PLAZA		O	P	1	STATE	4/11/2023	5	6	FAIR	2520.0	\$11,340,000	355		
2244030	K	EAST DRIVE	BRIDLE PATH NR ZOO		O	P	1	STATE	4/11/2023	5	6.45	GOOD	2000.0	\$9,000,000	355		
2244040	K	EAST DRIVE (EAST WOOD ARCH)	PED PATH NR CENTER DRIVE		O	P	1	CITY	5/16/2024	5	5.56	FAIR	1066.0	\$4,797,000	355		
2244050	K	CENTER DRIVE (NETHERMEAD ARCHES)	PED PATH & STREAM		WO	P	3	STATE	4/19/2023	5	6.56	GOOD	7020.0	\$31,590,000	355		
2244060	K	HILL DRIVE (CLEFT RIDGE SPAN)	PED PATH SOUTH OF BOATHOUSE		O	P	1	CITY	5/23/2024	6	5	FAIR	750.0	\$3,375,000	355		
2244070	K	PARK PATH (ROCK ARCH BRIDGE IN PROSPECT)	STREAM		PED-WO	P	1	CITY	8/13/2024	5	5	FAIR	444.0	\$1,998,000	355		
2244090	K	ESDALE BRIDGE	PROSPCT PARK STREAM		PED-WO	P	1	CITY	10/24/2023	5	4.8	FAIR	582.0	\$2,619,000	355		
2244100	K	WEST FT BRIDGE (MUSIC GROVE BRIDGE)	PROSPCT PARK STREAM		PED-WO	P	1	CITY	9/13/2023	5	7	GOOD	308.0	\$1,386,000	355		
2244110	K	PARK PATH (BINNEN BRIDGE IN PROSPECT)	STREAM		PED-WO	P	1	CITY	9/27/2023	5	5.65	FAIR	305.0	\$1,372,500	355		
2244120	K	HILL DR (TERRACE BRIDGE)	PROSPECT PARK LAKE		WO	P	3	STATE	12/19/2024	3	3.55	POOR	7735.0	\$34,807,500	355		
2244130	K	PED NR BOATHSE (ULLWATER BRIDGE)	PROSPECT PARK LAKE		PED-WO	P	1	CITY	12/14/2022	5	5	FAIR	1080.0	\$4,860,000	355		
2244150	K	RIDGE BLVD	SHORE RD DRIVE		O		1	STATE	5/16/2023	6	8	VGOOD	4430.0	\$19,935,000	310		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2244160	K	3RD AVE	SHORE RD DRIVE	O		1	STATE	5/16/2023	6	7.56	GOOD	4360.0	\$19,620,000	310			
2244170	K	ATLNTC AV SVC RD EB	EAST NEW YORK AVE	O		2	STATE	6/14/2023	5	6	FAIR	3192.0	\$14,364,000	305			
2244180	K	ATLNTC AV SVC RD WB	EAST NEW YORK AVE	O		2	STATE	6/14/2023	5	6	FAIR	5600.0	\$25,200,000	305			
224440	K	FLEET WALK PED BRIDGE	NAVY ST	PED-O		1	CITY	6/23/2024	5	5.8	FAIR	620.0	\$2,790,000	302			
224460	K	CONDUIT BLVD NB	ATLANTIC AVE EB	O		1	STATE	9/9/2024	5	6.13	FAIR	3864.0	\$17,388,000	305			
224470	K	SEELEY ST	PROSPECT AVE	O		1	STATE	5/6/2024	4	5.13	FAIR	8496.0	\$38,232,000	307			
224480	K	5TH AVE	GREENWOOD CEM-ETERY RD	O		1	STATE	7/18/2023	5	6.13	FAIR	3600.0	\$16,200,000	307			
2245010	M	11TH AVE VIADUCT	LIRR WEST SIDE YARD	AL	O	34	STATE	12/16/2024	5	5.8	FAIR	140300.0	\$631,350,000	104			
2245040	M	MARGARET CORBIN DR	PED PATH NEAR CAFÉ	O	P	1	CITY	3/16/2023	5	6	FAIR	598.0	\$2,691,000	112			
2245050	M	MARGARET CORBIN DR	PED PATH NR NO ENTR	O	P	1	CITY	5/22/2023	4	4	POOR	889.0	\$4,000,500	112			
2245060	M	W 37TH ST	AMTRAK 30 ST BRANCH	A	O	3	STATE	8/21/2023	6	7.55	GOOD	7140.0	\$32,130,000	104			
2245070	M	W 38TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	4/14/2024	5	5.15	FAIR	6180.0	\$27,810,000	104			
2245080	M	W 39TH ST	AMTRAK 30 ST BRANCH	A	O	3	STATE	4/14/2024	5	5.15	FAIR	6279.0	\$28,255,500	104			
2245090	M	W 43RD ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	5/14/2024	5	6	FAIR	4140.0	\$18,630,000	104			
2245100	M	W 44TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	5/14/2024	5	5.55	FAIR	4080.0	\$18,360,000	104			
2245110	M	W 45TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	3/29/2024	5	6.7	GOOD	4080.0	\$18,360,000	104			
2245120	M	W 46TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	3/29/2024	5	5.8	FAIR	4140.0	\$18,630,000	104			
2245130	M	W 47TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	4/10/2024	5	5.8	FAIR	4140.0	\$18,630,000	104			
2245140	M	W 48TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	4/10/2024	5	5.55	FAIR	4140.0	\$18,630,000	104			
2245150	M	W 49TH ST	AMTRAK 30 ST BRANCH	A	O	3	STATE	4/22/2024	5	5.8	FAIR	4140.0	\$18,630,000	104			
2245160	M	W 51ST ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	4/26/2024	5	5.8	FAIR	4260.0	\$19,170,000	104			
2245170	M	W 52ND ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	4/26/2024	5	6.35	FAIR	4260.0	\$19,170,000	104			
2245180	M	W 53RD ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	5/11/2024	5	6.15	FAIR	5082.0	\$22,869,000	104			
2245190	M	W 58TH ST	AMTRAK 30 ST BRANCH	A	O	2	STATE	6/4/2024	5	5.8	FAIR	3900.0	\$17,550,000	104			
2245209	M	11TH AVE	AMTRAK 30 ST BRANCH	A	O	2	STATE	6/4/2024	5	5.35	FAIR	15386.0	\$69,237,000	104			
2245210	M	W 42ND ST	AMTRAK 30 ST BRANCH	A	O	4	STATE	10/26/2024	5	5.8	FAIR	10300.0	\$46,350,000	104			
2245220	M	W 57TH ST	AMTRAK 30 ST BRANCH	A	O	3	STATE	5/10/2024	5	6	FAIR	9100.0	\$40,950,000	104			
2245230	M	W 148TH ST PED BRIDGE	AMTRAK 30 ST BRANCH	A	PED-O	P	CITY	9/25/2024	4	3.9	POOR	1997.0	\$8,986,500	109			
2245250	M	W 158TH ST	AMTRAK 30 ST BRANCH	A	O	7	STATE	8/31/2023	6	8.25	VGOOD	20219.0	\$90,985,500	112			

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2245260	M	W 173RD ST PED BRIDGE	AMTRAK 30 ST BRANCH	A	PED-O	P	2	CITY	10/29/2024	5	5.8	FAIR	1436.0	\$6,462,000	112		
2245290	M	W 155TH ST PED BRIDGE	AMTRAK 30 ST BRANCH	A	PED-O		1	CITY	6/9/2020	3	3.75	CLOSED	800.0	\$3,600,000	109	112	
2245300	M	INWOOD HILL PK FTBR	AMTRAK 30 ST BRANCH	A	PED-O	P	5	CITY	9/23/2024	4	4.65	FAIR	762.0	\$3,429,000	112		
2245319	M	E 97TH ST	METRO NORTH MAIN LN	M	O		1	STATE	11/2/2024	5	6	FAIR	3363.0	\$15,133,500	111		
2245330	M	W 41ST ST	AMTRAK 30 ST BRANCH	A	O		3	STATE	6/14/2024	5	5.35	FAIR	6240.0	\$28,080,000	104		
2245340	M	W 50TH ST	AMTRAK 30 ST BRANCH	A	O		2	STATE	4/22/2024	5	5.8	FAIR	4080.0	\$18,360,000	104		
2245350	M	W 54TH ST	AMTRAK 30 ST BRANCH	A	O		2	STATE	4/28/2024	5	6.25	FAIR	4680.0	\$21,060,000	104		
2245360	M	W 55TH ST	AMTRAK 30 ST BRANCH	A	O		2	STATE	4/28/2024	5	6.6	GOOD	4320.0	\$19,440,000	104		
2245370	M	W 56TH ST	AMTRAK 30 ST BRANCH	A	O		2	STATE	5/10/2024	5	6.8	GOOD	4380.0	\$19,710,000	104		
2245380	M	TRANSVERSE RD #1 WB	PED PATH OPP E 66TH ST	O	P		1	STATE	1/24/2024	5	6	FAIR	1505.0	\$6,772,500	164		
2245420	M	W 65TH ST ENTR EB	BRIDLE PATH W END	O	P		1	STATE	1/24/2024	5	6	FAIR	1436.0	\$6,462,000	164		
2245440	M	W 40TH ST	AMTRAK 30 ST BRANCH	A	O		4	STATE	6/14/2024	5	5	FAIR	9420.0	\$42,390,000	104		
2245460	M	PARK AVE SB	E 45TH ST	O			1	STATE	4/11/2024	6	6	FAIR	2375.0	\$10,687,500	105		
2245470	M	PARK AVE NB	E 45TH ST	O			1	STATE	4/11/2024	6	6	FAIR	2457.0	\$11,056,500	105		
2245480	M	TO GWB OPP W 171ST ST	RIVERSIDE DRIVE	O			1	STATE	2/2/2024	5	5.85	FAIR	10880.0	\$48,960,000	112		
2246000	M	WEST DRIVE (GREYSHOT ARCH)	PED PATH BET 61ST & 62ND	O	P		1	STATE	1/23/2024	5	6.56	GOOD	2561.0	\$11,524,500	164		
2246010	M	W 62 ST PED BRIDGE (PINEBANK ARCH)	BRIDLE PATH	PED-O	P		1	CITY	6/19/2024	5	5	FAIR	849.0	\$3,820,500	164		
2246030	M	E 62 ST PED BRIDGE (GAPSTOW BRIDGE)	THE POND	PED-WO	P		1	CITY	11/18/2024	4	5	FAIR	1400.0	\$6,300,000	164		
2246040	M	EAST DR (INSCOPE ARCH)	PED PATH OPP E 62 ST	O	P		1	CITY	6/17/2024	5	5	FAIR	1515.0	\$6,817,500	164		
2246050	M	CENTER DR (DRIPROCK ARCH)	PED OPP 63RD ST	O	P		1	STATE	1/23/2024	5	6	FAIR	1793.0	\$8,068,500	164		
2246069	M	EAST DR (GREEN GAP ARCH)	PED PATH BET 63RD & 64TH	O	P		1	STATE	1/26/2024	5	6	FAIR	2158.0	\$9,711,000	164		
2246070	M	CENTER DR (PLAY-MATES ARCH)	PED PATH OPP 65TH ST	O	P		1	CITY	8/23/2023	4	5.56	FAIR	1129.0	\$5,080,500	164		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2246080	M	WEST DR (DALEHEAD ARCH)	BRIDLE OPP W 64TH ST	O	P	1	STATE	1/29/2024	5	6	FAIR	2050.0	\$9,225,000	164			
2246090	M	PED BRIDGE OPP 65 ST	TRANSVERSE RD #1	PED-O	P	1	CITY	10/23/2024	4	5.69	FAIR	2300.0	\$10,350,000	164			
2246100	M	CENTER DRIVE	TRANSVERSE RD #1	O	P	1	STATE	2/28/2024	4	5.13	FAIR	6110.0	\$27,495,000	164			
2246110	M	EAST DRIVE	TRANSVERSE RD #1	O	P	1	STATE	3/13/2024	4	5.56	FAIR	5338.0	\$24,021,000	164			
2246120	M	WEST DRIVE	TRANSVERSE RD #1	O	P	1	STATE	3/10/2024	4	5.56	FAIR	7011.0	\$31,549,500	164			
2246130	M	EAST DRIVE (WILLOWDELL ARCH)	PED PATH OPP E 67TH ST	O	P	1	CITY	2/21/2024	4	5	FAIR	666.0	\$2,997,000	164			
2246140	M	W 72 ST ENTR (RIFTS-TONE ARCH)	BRIDLE PATH	O	P	1	STATE	1/23/2024	5	6	FAIR	3700.0	\$16,650,000	164			
2246150	M	72 ST CROSS DR (TER-RACE BRIDGE)	PED PATH TO FOUNTAIN	O	P	3	STATE	2/6/2024	6	7.55	GOOD	7630.0	\$34,335,000	164			
2246160	M	73 ST PED BRIDGE (BOW BRIDGE)	THE LAKE	PED-WO	P	1	CITY	5/24/2024	6	6.6	GOOD	1637.0	\$7,366,500	164			
2246170	M	EAST DR (TREFOIL ARCH)	PED PATH OPP E 73RD ST	O	P	1	STATE	2/16/2024	5	6	FAIR	1882.0	\$8,469,000	164			
2246230	M	EAST DRIVE	TRANSVERSE RD #2	O	P	1	STATE	2/21/2024	5	6.13	FAIR	5207.0	\$23,431,500	164			
2246240	M	WEST DRIVE	TRANSVERSE RD #2	O	P	1	STATE	2/22/2024	4	6.13	FAIR	6396.0	\$28,782,000	164			
2246250	M	EAST DRIVE	TRANSVERSE RD #3	O	P	1	STATE	2/14/2024	4	5.13	FAIR	4612.0	\$20,754,000	164			
2246260	M	WEST DRIVE	TRANSVERSE RD #3	O	P	1	STATE	3/9/2024	5	5.56	FAIR	4592.0	\$20,664,000	164			
2246270	M	EAST DRIVE	TRANSVERSE RD #4	O	P	1	STATE	3/3/2024	5	5.56	FAIR	5535.0	\$24,907,500	164			
2246280	M	WEST DRIVE	TRANSVERSE RD #4	O	P	1	STATE	3/9/2024	4	5.56	FAIR	3920.0	\$17,640,000	164			
2246320	M	W77 ST PED (OAK BRIDGE)	THE LAKE	PED-WO	P	3	CITY	6/25/2024	5	5.1	FAIR	994.0	\$4,473,000	164			
2246330	M	WEST DR (BALCONY BRIDGE)	STREAM TO THE LAKE	WO	P	1	STATE	1/29/2024	5	6	FAIR	1884.0	\$8,478,000	164			
2246340	M	W77 ST PED (LADIES POND BRIDGE)	STREAM TO THE LAKE	PED-WO	P	3	CITY	9/5/2024	5	6	FAIR	456.0	\$2,052,000	164			
2246350	M	EAST DR (GREYWACKE ARCH)	PED PATH OPP E 80TH ST	O	P	1	CITY	5/17/2024	6	6	FAIR	1266.0	\$5,697,000	164			
2246360	M	WEST DR (WINTER-DALE ARCH)	PED PATH OPP W 82 ST	O	P	1	STATE	1/24/2024	5	6.56	GOOD	2613.0	\$11,758,500	164			
2246380	M	E86 ST PED (SE RESERVOIR BRIDGE)	BRIDLE PATH	PED-O	P	1	CITY	5/16/2024	6	6	FAIR	689.0	\$3,100,500	164			
2246390	M	W86 ST PED (SW RESERVOIR BRIDGE)	BRIDLE PATH	PED-O	P	3	CITY	10/30/2024	5	5.8	FAIR	1100.0	\$4,950,000	164			

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2246400	M	PED PATH OPP E79 ST	TRANSVERSE RD #2		PED-O	P	1	CITY	2/10/2024	4	5	FAIR	3700.0	\$16,650,000	164		
2246410	M	TRNSVRS RD 1 EB (DENESMOUTH ARCH)	PED PATH OPP E 65TH ST		O	P	1	STATE	1/31/2024	5	5.56	FAIR	1786.0	\$8,037,000	164		
2246430	M	W110 ST ENTR (MOUNTCLIFF ARCH)	PED PATH OPP W109 ST		O	P	1	STATE	1/31/2024	4	5	FAIR	1364.0	\$6,138,000	164		
2246440	M	79 TH ST PED BRIDGE	TRANSVERSE RD #2		PED-O	P	1	CITY	2/10/2024	4	4.56	FAIR	5900.0	\$26,550,000	164		
2246450	M	E77 ST PED (GLADE ARCH)	PED PATH OPP E77 ST		PED-O	P	1	CITY	1/9/2024	4	5.7	FAIR	5000.0	\$22,500,000	164		
2246460	M	W77 ST ENTR (EAGLEV-ALE ARCH)	PED PATH OPP W77 ST		O	P	2	STATE	1/23/2024	4	5	FAIR	3066.0	\$13,797,000	164		
2246470	M	EAST DR (HUDDLE-STONE ARCH)	THE LOCH		WO	P	1	STATE	1/26/2024	5	5.44	FAIR	1228.0	\$5,526,000	164		
2246489	M	W 181 ST	RAMP TO WASH BR		O		1	STATE	2/8/2024	5	5.9	FAIR	8232.0	\$37,044,000	112		
2246490	M	A.C. POWELL BLVD NB	A.C. POWELL BLVD		O		1	STATE	2/2/2024	4	5.45	FAIR	2970.0	\$13,365,000	110		
2246500	M	FORT TRYON PLACE	ENTR FROM RIVER-SIDE DR		O	P	1	STATE	1/30/2024	4	5	FAIR	3362.0	\$15,129,000	112		
2246510	M	CORBIN PL OVERPASS	CORBIN PLACE		O	P	1	STATE	2/15/2024	5	7	GOOD	2257.0	\$10,156,500	112		
2246550	M	PARK AVE VIADUCT	E 42ND ST		O		7	STATE	7/9/2024	5	5.6	FAIR	28294.0	\$127,323,000	105		
2246560	M	TUDOR CITY PLACE	E 42ND ST		O		1	STATE	1/30/2024	5	6	FAIR	6615.0	\$29,767,500	106		
2246580	BM	HIGH BRIDGE PDOVP	I87 - HARLEM RIVER	M	PED-WA	P	11	CITY	6/30/2023	6	6.2	FAIR	34100.0	\$153,450,000	112	204	
2246600	M	W 176TH ST PED BRIDGE	APPROACH TO G.W.B.		PED-O	P	1	CITY	2/9/2024	4	5.56	FAIR	1200.0	\$5,400,000	112		
2246620	M	E 128TH ST PED BRIDGE	3RD AVE BRIDGE APPR		PED-O		17	CITY	7/27/2023	4	5.25	FAIR	4167.0	\$18,751,500	111		
2246660	M	RIVERSIDE DRIVE	W125TH ST - W134TH ST		O		27	STATE	5/13/2024	5	6.35	FAIR	147795.0	\$665,077,500	109		
2246670	M	W 134 ST	TERRAIN		O		4	STATE	4/7/2023	5	6	FAIR	7500.0	\$33,750,000	109		
2246690	M	ISHAM PK VEHICULAR	HARLEM RIVER INLET		WO	P	1	STATE	1/29/2024	6	7.2	GOOD	911.0	\$4,099,500	112		
2246700	M	ISHAM PK PED BRIDGE	HARLEM RIVER INLET		PED-WO	P	1	CITY	2/7/2024	4	5.45	FAIR	298.0	\$1,341,000	112		
2246710	M	W 153 ST	A.C. POWELL BLVD		O		1	STATE	2/2/2024	4	5.15	FAIR	3082.0	\$13,869,000	110		
2246720	M	RIVERSIDE DRIVE	W 158TH ST - AMTRAK	A	O		77	STATE	12/7/2023	4	4.65	FAIR	186822.0	\$840,699,000	109	112	
2246970	M	RIVERSIDE DRIVE	W 96TH ST		O		3	STATE	3/8/2023	5	6.4	FAIR	11232.0	\$50,544,000	107		
2246980	M	RIVERSIDE DRIVE	W 138TH ST		O		1	STATE	1/31/2024	5	5.56	FAIR	6783.0	\$30,523,500	109		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2246990	M	E 129TH ST PED BRIDGE	3RD AVE BRIDGE RAMP		PED-O	P	5	CITY	11/1/2023	4	5.15	FAIR	892.0	\$4,014,000	111		
2247020	Q	94TH ST PED BRIDGE	LIRR PORT WASH BR	L	PED-O		5	CITY	6/29/2021	4	3.356	FAIR	905.0	\$4,072,500	404		
2247040	Q	UNION ST	LIRR PORT WASH BR	L	O		1	STATE	7/24/2023	6	7.35	GOOD	3300.0	\$14,850,000	407		
2247050	Q	BOWNE ST	LIRR PORT WASH BR	L	O		1	STATE	7/15/2024	6	6	FAIR	4974.0	\$22,383,000	407		
2247060	Q	PARSONS BLVD	LIRR PORT WASH BR	L	O		1	STATE	7/15/2024	5	6	FAIR	4032.0	\$18,144,000	407		
2247070	Q	147TH ST	LIRR PORT WASH BR	L	O		1	STATE	7/25/2023	5	6.8	GOOD	2888.0	\$12,996,000	407		
2247080	Q	149TH ST	LIRR PORT WASH BR	L	O		1	STATE	7/18/2024	6	7.7	VGOOD	4720.0	\$21,240,000	407		
2247090	Q	149TH PLACE	LIRR PORT WASH BR	L	O		2	STATE	8/2/2023	5	7.45	GOOD	4341.0	\$19,534,500	407		
2247100	Q	150TH ST	LIRR PORT WASH BR	L	O		2	STATE	9/18/2023	6	8	VGOOD	5508.0	\$24,786,000	407		
2247110	Q	MURRAY ST	LIRR PORT WASH BR	L	O		1	STATE	7/17/2023	5	6.45	GOOD	4030.0	\$18,135,000	407		
2247120	Q	WOODSIDE AVE	LIRR MAIN LINE	L	O		3	STATE	7/27/2024	4	5	FAIR	15750.0	\$70,875,000	402		
2247130	Q	CORPORAL KENNEDY ST	LIRR PORT WASH BR	L	O		1	STATE	7/25/2023	6	7.55	GOOD	3394.0	\$15,273,000	411		
2247140	Q	BELL BLVD	LIRR PORT WASH BR	L	O		1	STATE	7/25/2023	6	6.8	GOOD	4320.0	\$19,440,000	411		
2247150	Q	65TH ST	LIRR MAIN LINE	L	O		3	STATE	7/31/2023	6	8.1	VGOOD	6604.0	\$29,718,000	402		
2247160	Q	65TH PLACE	LIRR MAIN LINE	L	O		3	STATE	9/13/2023	6	8.55	VGOOD	8381.0	\$37,714,500	402		
2247170	Q	DOUGLASTON PKWY	LIRR PORT WASH BR	L	O		3	STATE	7/24/2024	5	6	FAIR	6360.0	\$28,620,000	411		
2247180	Q	GRAND AVE	LIRR MAIN LINE	L	O		3	STATE	7/25/2024	5	5.8	FAIR	7415.0	\$33,367,500	404		
2247190	Q	55TH AVE PED BRIDGE	LIRR MAIN LINE	L	PED-O		3	CITY	7/22/2021	4	4.12	FAIR	1296.0	\$5,832,000	404		
2247220	Q	80TH ROAD	LIRR MAIN LINE	L	O		3	STATE	8/3/2023	5	5.8	FAIR	4048.0	\$18,216,000	409		
2247230	Q	82ND AVE	LIRR MAIN LINE	L	O		3	STATE	8/7/2023	5	6.8	GOOD	4048.0	\$18,216,000	409		
2247240	Q	LEFFERTS BLVD	LIRR MAIN LINE	L	O		3	STATE	8/8/2023	6	7.5	GOOD	5460.0	\$24,570,000	409		
2247260	Q	JACKSON AVE	LIRR MONTAUK DIV	L	O		1	STATE	7/29/2024	6	6.45	GOOD	4517.0	\$20,326,500	402		
2247270	Q	21ST ST	LIRR N SHORE YARD	L	O		6	STATE	8/11/2023	6	6.55	GOOD	17591.0	\$79,159,500	402		
2247290	Q	49TH AVE	LIRR - AMTRAK	AL	O		5	STATE	10/9/2024	4	4.55	FAIR	20658.0	\$92,961,000	402		
2247300	Q	THOMPSON AVE	AMTRAK & LIRR YARD	AL	O		14	STATE	1/13/2023	5	6.35	FAIR	60246.0	\$271,107,000	402		
2247310	Q	QUEENS BLVD	AMTRAK & LIRR YARD	AL	O		19	STATE	1/14/2023	6	8.55	VGOOD	103011.0	\$463,549,500	402	401	
2247320	Q	HONEYWELL ST	SUNNYSIDE YARD	AL	O		22	STATE	11/30/2023	6	8	VGOOD	99036.0	\$445,662,000	402	401	
2247330	Q	39TH ST (NORTH)	SUNNYSIDE YARD	A	O		14	STATE	11/14/2023	6	8	VGOOD	48200.0	\$216,900,000	402	401	
2247370	Q	37TH AVE	CSX - HELLGATE	X	O		1	STATE	10/14/2024	6	7	GOOD	6868.0	\$30,906,000	402		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPECTION DATE	GENERAL RECOMMENDATION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2247380	Q	ROOSEVELT AVE	CSX - HELLGATE - NYCTA	X	O		2	STATE	10/17/2024	6	6.9	GOOD	7407.0	\$33,331,500	402	403	404
2247390	Q	41ST AVE	CSX - HELLGATE	X	O		2	STATE	10/18/2024	5	5	FAIR	4473.0	\$20,128,500	402	404	
2247400	Q	WOODSIDE AVE	CSX TRANSPORT	X	O		1	STATE	10/29/2023	5	5.44	FAIR	4970.0	\$22,365,000	402	404	
2247410	Q	43RD AVE	CSX TRANSPORT	X	O		1	STATE	10/29/2023	5	6	FAIR	3905.0	\$17,572,500	402	404	
2247420	Q	44TH AVE	CSX TRANSPORT	X	O		1	STATE	10/29/2023	5	6	FAIR	3888.0	\$17,496,000	402	404	
2247430	Q	45TH AVE	CSX TRANSPORT	X	O		1	STATE	10/29/2023	5	6.25	FAIR	2376.0	\$10,692,000	402	404	
2247440	Q	GRAND AVE	CSX TRANSPORT	X	O		1	STATE	10/10/2023	6	8.1	VGOOD	3276.0	\$14,742,000	405		
2247450	Q	57TH AVE	CSX TRANSPORT	X	O		1	STATE	10/10/2023	6	7	GOOD	2283.0	\$10,273,500	405		
2247460	Q	CALDWELL AVE	CSX TRANSPORT	X	O		1	STATE	10/15/2024	6	7	GOOD	2218.0	\$9,981,000	405		
2247470	Q	ELIOT AVE	CSX TRANSPORT	X	O		1	STATE	10/15/2024	5	5.9	FAIR	2960.0	\$13,320,000	405		
2247480	Q	JUNIPER BLVD SO	CSX TRANSPORT	X	O		1	STATE	10/16/2024	5	6	FAIR	9000.0	\$40,500,000	405		
2247490	Q	69TH STREET	CSX TRANSPORT	X	O		1	STATE	10/16/2024	5	5.8	FAIR	6175.0	\$27,787,500	405		
2247500	Q	METROPOLITAN AVE	CSX TRANSPORT	X	O		1	STATE	10/16/2024	5	5.3	FAIR	18648.0	\$83,916,000	405		
2247530	Q	ANDREWS AVE	LIRR MONTAUK DIV	L	O		1	STATE	7/26/2023	7	7.6	GOOD	3350.0	\$15,075,000	405		
2247540	Q	60TH ST	LIRR MONTAUK DIV	L	O		2	STATE	7/25/2023	5	6.7	GOOD	5340.0	\$24,030,000	405		
2247550	Q	ELIOT AVE	LIRR MONTAUK DIV	L	O		2	STATE	7/27/2023	6	6.8	GOOD	9550.0	\$42,975,000	405		
2247570	Q	80TH ST	77TH AVE - LIRR MT	L	O		5	STATE	8/5/2024	6	7	GOOD	11542.0	\$51,939,000	405		
2247590	Q	FOREST PARK DRIVE	LIRR MONTAUK DIV	L	O	P	5	STATE	8/8/2024	5	6	FAIR	5969.0	\$26,860,500	409		
2247600	Q	PARK LANE SOUTH	LIRR MONTAUK DIV	L	O		1	STATE	8/2/2024	6	8.8	VGOOD	3024.0	\$13,608,000	409	482	
2247620	Q	MYRTLE AVE	ABANDONED LIRR		O		3	STATE	1/17/2024	6	6.75	GOOD	6725.0	\$30,262,500	482	406	
2247630	Q	PED BRG NEAR UNION TPK	ABANDONED LIRR		PED-O		8	CITY	6/12/2024	?	5	FAIR	1740.0	\$7,830,000	406		
2247640	Q	39TH ST (SOUTH)	AMTRAK & LIRR YARD	AL	O		9	STATE	11/14/2023	6	7.8	VGOOD	34100.0	\$153,450,000	402		
2247650	Q	60TH RD PED BRIDGE	LIRR MAIN LINE	L	PED-O		3	CITY	7/2/2021	5	5	GOOD	1200.0	\$5,400,000	405	406	
2247660	Q	FOREST PARK DRIVE	ABANDONED LIRR		O	P	6	STATE	5/1/2024	4	5.35	FAIR	10011.0	\$45,049,500	409		
2247680	Q	221ST ST	LIRR PORT WASH BR	L	O		3	STATE	8/1/2023	6	7.8	VGOOD	6050.0	\$27,225,000	411		
2248019	Q	WOODHAVEN BLVD	ATLANTIC AVE		O		3	STATE	5/30/2024	4	5.2	FAIR	19832.0	\$89,244,000	409		
2248020	Q	WHITEAW PED BRIDGE	NO & SO CONDUIT AVE		PED-O		7	CITY	10/30/2023	5	5	FAIR	5448.0	\$24,516,000	410		
2248039	Q	CROSS BAY BLVD	NASSAU EXPWY - RTE 27		O		2	STATE	6/27/2023	6	8	VGOOD	16488.0	\$74,196,000	410		
2248040	Q	RAMP TO LINDEN BLVD	SO. CONDUIT AVE		O		1	STATE	5/24/2024	5	6.9	GOOD	3355.0	\$15,097,500	410		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2248059	Q	MOTOR PKWY (PED)	FRANCIS LEWIS BLVD		PED-O	P	2	CITY	6/25/2024	5	5.8	FAIR	2608.0	\$11,736,000	408		
2248060	Q	MOTOR PKWY (PED)	BELL BLVD		PED-O	P	2	CITY	1/8/2024	5	6	FAIR	2610.0	\$11,745,000	411		
2248070	Q	MOTOR PKWY (PED)	SPRINGFIELD BLVD		PED-O	P	3	CITY	6/22/2024	4	6	FAIR	2513.0	\$11,308,500	411		
2248080	Q	MOTOR PKWY (PED)	HOLLIS COURT BLVD		PED-O	P	3	CITY	9/26/2023	4	5.65	FAIR	2526.0	\$11,367,000	408		
2248090	Q	FLSHG MDW PK PED	COLLEGE POINT BLVD		PED-O	P	3	CITY	12/5/2023	5	5.45	FAIR	7680.0	\$34,560,000	407		
2248100	Q	MOTOR PKWY (PED)	73RD AVE		PED-O	P	3	CITY	10/30/2024	5	5.65	FAIR	2513.0	\$11,308,500	408		
2248110	Q	MOTOR PKWY (PED)	ALLEY PK PED WALK		PED-O	P	1	CITY	5/3/2024	5	6	FAIR	672.0	\$3,024,000	413		
2248129	Q	UNION TPKE	CREEDMOORE HOSP RD		O		1	STATE	3/30/2023	5	6	FAIR	3518.0	\$15,831,000	413		
2248130	Q	FLUSHING MEADOW PK PED	WILLOW LK&76TH RD		PED-WO	P	4	CITY	12/3/2024	4	4.55	FAIR	732.0	\$3,294,000	481		
2248140	Q	MERIDIAN ROAD	STREAM N OF LIE		WO	P	5	STATE	6/7/2024	5	4.55	FAIR	4160.0	\$18,720,000	481		
2248159	Q	WOODHAVEN BLVD	QUEENS BLVD		O		2	STATE	8/7/2024	4	5	FAIR	11498.0	\$51,741,000	404		
2248160	Q	ELIOT AVE	QUEENS BLVD		O		2	STATE	8/7/2024	5	5	FAIR	13875.0	\$62,437,500	406		
2248200	Q	RUST ST	FLUSHING AVE		O		1	STATE	6/7/2023	6	5.95	FAIR	2982.0	\$13,419,000	405		
2248220	Q	SERVICE RD TURN-AROUND	FLUSHING AVE		O		1	STATE	6/7/2023	6	6	FAIR	2940.0	\$13,230,000	405		
2248230	Q	BEACH CHANNEL DR WB	BEACH CHANNEL DR EB		O		1	STATE	5/8/2023	6	6	FAIR	3568.0	\$16,056,000	484		
2248240	Q	FLUSHING AV SERVICE RD	FLUSHING AVE		O		1	STATE	6/7/2023	6	6	FAIR	2940.0	\$13,230,000	405		
2248250	Q	102ND ST	HAWTREE BASIN		WO		3	STATE	6/23/2023	6	7.35	GOOD	4930.0	\$22,185,000	410		
2248260	Q	MEADOW LAKE BRIDGE	MEADOW LAKE		WO	P	5	STATE	6/17/2024	5	5.65	FAIR	4160.0	\$18,720,000	481		
2248280	Q	HIGHLAND PK PED.	PEDESTRIAN PATH		PED-O	P	1	CITY	11/6/2023	5	6.69	GOOD	1900.0	\$8,550,000	405		
2248299	Q	J.R. PKWY-UNION TPKE	AUSTIN ST		O		1	STATE	6/4/2024	5	5	FAIR	6930.0	\$31,185,000	409	406	
2248300	Q	71ST AVE	COOPER AVE		O		1	STATE	6/21/2023	4	5.8	FAIR	2678.0	\$12,051,000	405		
2248340	Q	FOREST PARK DR	MYRTLE AVE		O	P	3	STATE	6/5/2023	5	5.8	FAIR	5100.0	\$22,950,000	409		
2248369	Q	ROCKAWAY BLVD	THURSTON BASIN		WO		2	STATE	5/22/2023	5	5.4	FAIR	6000.0	\$27,000,000	483	413	
2248379	Q	BOATHOUSE BRIDGE	AQUACADE LAKE		WO	P	5	STATE	5/18/2023	5	5.65	FAIR	6321.0	\$28,444,500	481		
2249040	R	TOMPKINS AVE	B&O RR (ABANDONED)		O		1	STATE	4/16/2024	6	7	GOOD	5096.0	\$22,932,000	501		
2249070	R	JOHN ST PED BRIDGE	B&O RR (ABANDONED)	O	PED-O		2	CITY	12/19/2024	5	6	FAIR	1017.0	\$4,576,500	501		
2249090	R	MORNINGSTAR ROAD	B&O RR (ABANDONED)	O	O		4	STATE	5/2/2024	4	5.1	FAIR	7900.0	\$35,550,000	501		
2249100	R	GRANITE AVE	B&O RR (ABANDONED)	O	O		4	STATE	4/12/2024	5	5.8	FAIR	7300.0	\$32,850,000	501		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPECTION DATE	GENERAL RECOMMENDATION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2249110	R	LAKE AVE	B&O RR (ABANDONED)	O	O		3	STATE	5/15/2024	5	5.65	FAIR	5900.0	\$26,550,000	501		
2249120	R	SIMONSON AVE	B&O RR (ABANDONED)	O	O		3	STATE	4/11/2023	6	6.2	FAIR	5819.0	\$26,185,500	501		
2249130	R	VAN NAME AVE	B&O RR (ABANDONED)	O	O		3	STATE	4/9/2024	5	5.85	FAIR	5474.0	\$24,633,000	501		
2249140	R	VAN PELT AVE	B&O RR (ABANDONED)	O	O		3	STATE	4/18/2023	5	6.55	GOOD	4752.0	\$21,384,000	501		
2249160	R	DE HART AVE	B&O RR (ABANDONED)	O	O		4	STATE	4/13/2023	5	6.35	FAIR	6700.0	\$30,150,000	501		
2249170	R	UNION AVE	B&O RR (ABANDONED)	O	O		4	STATE	4/14/2023	5	6	FAIR	6630.0	\$29,835,000	501		
2249180	R	HARBOR ROAD	CONRAIL - EX B&O RR	C	O		4	STATE	4/13/2024	6	6.2	FAIR	5864.0	\$26,388,000	501		
2249200	R	SOUTH AVE	ARLINGTON YARD	C	O		3	STATE	4/20/2024	6	6.9	GOOD	8493.0	\$38,218,500	501		
2249210	R	MAIN ST PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		9	CITY	10/23/2024	5	6	FAIR	460.0	\$2,070,000	503		
2249240	R	ARTHUR KILL ROAD	SIRT SOUTH SHORE	S	O		1	STATE	4/24/2024	7	9	VGOOD	3600.0	\$16,200,000	503		
2249269	R	PAGE AVE	SIRT - TIDAL STREAM	S	WO		4	STATE	10/17/2023	6	8.15	VGOOD	30710.0	\$138,195,000	503		
2249270	R	RICHMOND VALLEY ROAD	SIRT SOUTH SHORE	S	O		4	STATE	10/27/2023	5	6	FAIR	9440.0	\$42,480,000	503		
2249280	R	RICHMOND VALLEY STA PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		7	CITY	9/18/2023	5	5.65	FAIR	613.0	\$2,758,500	503		
2249290	R	SEGUINE AVE	SIRT SOUTH SHORE	S	O		1	STATE	10/16/2023	5	6.55	GOOD	3250.0	\$14,625,000	503		
2249300	R	HUGUENOT AVE	SIRT SOUTH SHORE	S	O		2	STATE	10/26/2023	5	5.35	FAIR	6514.0	\$29,313,000	503		
2249320	R	ALBEE AVE	SIRT SOUTH SHORE	S	O		3	STATE	11/6/2023	5	5.65	FAIR	6500.0	\$29,250,000	503		
2249330	R	ANNADALE ROAD	SIRT SOUTH SHORE	S	O		1	STATE	10/9/2023	7	7.8	VGOOD	3540.0	\$15,930,000	503		
2249350	R	NELSON AVE PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		3	CITY	10/3/2023	5	5.2	FAIR	455.0	\$2,047,500	503		
2249360	R	GIFFORDS LANE	SIRT SOUTH SHORE	S	O		1	STATE	5/6/2024	5	6.55	GOOD	3042.0	\$13,689,000	503		
2249370	R	GREAVES AVE	SIRT SOUTH SHORE	S	O		1	STATE	10/6/2023	7	7.55	GOOD	2650.0	\$11,925,000	503		
2249380	R	GUYON AVE	SIRT SOUTH SHORE	S	O		3	STATE	10/10/2023	5	5	FAIR	6964.0	\$31,338,000	503		
2249390	R	CEDARVIEW AVE PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		5	CITY	9/20/2023	4	4.65	FAIR	470.0	\$2,115,000	503		
2249400	R	BEACH AVE	SIRT SOUTH SHORE	S	O		2	STATE	10/3/2023	6	6.35	FAIR	3800.0	\$17,100,000	502		
2249410	R	ROSS AVE	SIRT SOUTH SHORE	S	O		2	STATE	10/4/2023	5	6	FAIR	3800.0	\$17,100,000	502		
2249420	R	ROSE AVE	SIRT SOUTH SHORE	S	O		2	STATE	10/16/2023	5	6	FAIR	3800.0	\$17,100,000	502		
2249430	R	NEW DORP LANE	SIRT SOUTH SHORE	S	O		2	STATE	10/11/2023	5	6	FAIR	7600.0	\$34,200,000	502		
2249440	R	BANCROFT AVE	SIRT SOUTH SHORE	S	O		3	STATE	10/12/2023	5	6	FAIR	5974.0	\$26,883,000	502		
2249450	R	FREMONT AVE PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		3	CITY	10/18/2024	5	5	FAIR	823.0	\$3,703,500	502		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2249460	R	LINCOLN AVE	SIRT SOUTH SHORE	S	O		1	STATE	10/13/2023	5	6.7	GOOD	4500.0	\$20,250,000	502		
2249470	R	MIDLAND AVE	SIRT SOUTH SHORE	S	O		1	STATE	10/19/2023	5	5.8	FAIR	2952.0	\$13,284,000	502		
2249480	R	WEST FINGERBOARD RD	SIRT SOUTH SHORE	S	O		2	STATE	10/18/2023	6	7	GOOD	5279.0	\$23,755,500	502		
2249490	R	CLOVE ROAD	SIRT SOUTH SHORE	S	O		3	STATE	5/7/2024	6	6.35	FAIR	5236.0	\$23,562,000	502		
2249510	R	TOMPKINS AVE	WILLOW AVE, SIRT	S	O		2	STATE	4/25/2024	5	6.2	FAIR	5351.0	\$24,079,500	501		
2249520	R	HANNAH ST	SIRT SOUTH SHORE	S	O		10	STATE	12/3/2024	5	6.2	FAIR	13360.0	\$60,120,000	501		
2249530	R	MINTHORNE ST PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		23	CITY	10/21/2024	5	6.15	FAIR	6133.0	\$27,598,500	501		
2249580	R	BELFIELD AVE PED BRIDGE	SIRT SOUTH SHORE	S	PED-O		5	CITY	10/22/2024	5	6	FAIR	462.0	\$2,079,000	503		
2249710	R	WEST FOOTBRIDGE	CLOVE LAKE		PED-WO	P	2	CITY	3/27/2024	4	5	FAIR	900.0	\$4,050,000	501		
2249720	R	EAST FOOTBRIDGE	CLOVE LAKE		PED-WO	P	2	CITY	3/27/2024	5	5	FAIR	900.0	\$4,050,000	501		
2249730	R	BRIDGE OVER DAM	NORTH END CLOVE LAKE		PED-WO	P	1	CITY	3/6/2024	5	5.8	FAIR	972.0	\$4,374,000	501		
2249760	R	MARTLINGS AVE	RICHMOND LAKE DAM		WO		2	STATE	5/26/2023	5	5.4	FAIR	7000.0	\$31,500,000	501		
2249770	R	S OF BROOKS LAKE	STREAM IN PARK		PED-WO	P	3	CITY	11/27/2024	5	6	FAIR	717.0	\$3,226,500	501		
2249780	R	FOOTBRIDGE	BROOKS LAKE DAM		PED-WO	P	1	CITY	10/10/2024	5	5.69	FAIR	800.0	\$3,600,000	501		
2249790	R	FB S OF FOREST AV	STREAM IN PARK		PED-WO	P	3	CITY	11/13/2024	5	5.8	FAIR	643.0	\$2,893,500	501		
2249800	R	FOREST AVE	CLOVE LAKES PK STREAM		WO	P	1	STATE	12/28/2023	5	5.44	FAIR	1610.0	\$7,245,000	501		
2249810	R	HYLAN BLVD	LEMON CREEK		WO		1	STATE	2/20/2024	6	7.2	GOOD	11400.0	\$51,300,000	503		
2249820	R	ARTHUR KILL ROAD	ARTHUR KILL STREAM		WO		1	STATE	4/17/2023	4	4.85	FAIR	1562.0	\$7,029,000	503		
2249840	R	TOMPKINS AVE	GREENFIELD AVE		O		1	STATE	2/28/2024	6	7	GOOD	2676.0	\$12,042,000	501		
2249860	R	SLATER BLVD	NEW CREEK		WO		1	STATE	5/12/2023	5	5.55	FAIR	2037.0	\$9,166,500	502		
2249870	R	TRAVIS AVE	MAIN CREEK		WO		1	STATE	7/27/2023	5	5.55	FAIR	1700.0	\$7,650,000	502		
2249880	R	CHELSEA ROAD	SAWMILL CREEK		WO		1	STATE	5/23/2023	6	7.35	GOOD	2205.0	\$9,922,500	502		
2257569	M	MILLER HWY - RTE 9A	RIVERSIDE PARK SOUTH		A		64	STATE	11/20/2024	5	5.65	FAIR	272475.0	\$1,226,137,500	104	107	
2266129	Q	DOUGLASTON PKWY	BCIP SB		A		1	STATE	3/15/2024	5	5.45	FAIR	4698.0	\$21,141,000	411		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2266139	Q	DOUGLASTON PKWY	BCIP NB		A		1	STATE	3/22/2024	5	6.25	FAIR	6597.0	\$29,686,500	411		
2266149	Q	HEMPSTEAD AVE	BCIP RAMP NB		A		2	STATE	4/2/2024	4	4	POOR	10282.0	\$46,269,000	413		
2266160	Q	678I SB TO BCIP EB	678I - BCIP JCT		A		1	STATE	4/20/2023	7	8.55	VGOOD	2384.0	\$10,728,000	407		
2266229	M	HHP	PED PATH AT W148TH ST		A		1	STATE	1/23/2024	5	6.56	GOOD	1920.0	\$8,640,000	109		
2266230	M	HHP NB	PED PATH INWOOD PK		A		1	STATE	1/24/2024	5	6	FAIR	917.0	\$4,126,500	112		
2266240	M	HHP SB	PED PATH INWOOD PK		A		1	STATE	1/24/2024	6	6.44	GOOD	1155.0	\$5,197,500	112		
2266540	B	278I	BRUCKNER BLVD		A		2	STATE	7/14/2023	4	4.8	FAIR	36465.0	\$164,092,500	201		
2266770	Q	BCIP	LAURELTON PKWY		A		1	STATE	4/1/2024	5	6.56	GOOD	6912.0	\$31,104,000	413		
2267130	M	RIVERSIDE DRIVE	W 145TH ST		O		1	STATE	4/4/2023	5	6	FAIR	5943.0	\$26,743,500	109		
2267140	M	POLICE PLAZA PROM	PARKROW		PED-O		2	CITY	6/2/2023	5	6	FAIR	15072.0	\$67,824,000	101		
2267160	Q	ROOSEVELT AVE	SHEA ROAD		O		4	STATE	6/22/2023	5	5.65	FAIR	7928.0	\$35,676,000	408		
2267199	Q	FRANCIS LEWIS BLVD	CUNNINGHAM PK RD		O		1	STATE	3/28/2023	6	6	FAIR	7194.0	\$32,373,000	408		
2267240	M	HARLEM RIVER DRIVE RAMP TO GWB	HARLEM RIVER DRIVE SB		A		55	STATE	7/21/2023	4	4.35	FAIR	113936.0	\$512,712,000	112		
2267250	M	HENRY HUDSON PKWY	AMTRAK - W96TH ST	A	A		55	STATE	7/10/2024	5	5.35	FAIR	90550.0	\$407,475,000	107		
2267717	M	79 ST PED PLAZA	79 ST BT BASIN GAR		A	P	10	STATE	6/7/2022	5	5.2	CLOSED	29250.0	\$131,625,000	107		
2267718	M	79 ST TRAFFIC CIRC	79 ST PED PLAZA		A	P	34	STATE	3/27/2024	4	4.65	FAIR	24130.0	\$108,585,000	107		
2267860	K	BROOKLYN BR APP-PROACH	STORAGE (SANDS ST)		O		1	STATE	5/2/2024	5	5.85	FAIR	6490.0	\$29,205,000	302		
2268350	K	BROOKLYN PROM-ENADE	278I EB (BROOKLYN-QUEENS EXPWY)		PED-A	P	35	CITY	8/3/2024	4	5.56	FAIR	47230.0	\$212,535,000	302		
2268480	M	CHAMBERS ST PED BRIDGE	RTE 9A - WEST ST		PED-O		9	CITY	6/29/2023	6	7	GOOD	6377.0	\$28,696,500	101		
2268497	K	278I WB (BROOKLYN-QUEENS EXPWY)	FURMAN ST - 278I EB		A		45	STATE	12/22/2023	4	4.65	FAIR	86406.0	\$388,827,000	302		
2268498	K	278I EB (BROOKLYN-QUEENS EXPWY)	278I WB (BROOKLYN-QUEENS EXPWY) - PROMENADE		A		69	STATE	12/23/2024	5	4.56	FAIR	133708.0	\$601,686,000	302		
2268507	K	278I WB (BROOKLYN-QUEENS EXPWY)	YORK ST		A		6	STATE	6/9/2023	4	4.9	FAIR	10500.0	\$47,250,000	302		
2268508	K	278I EB (BROOKLYN-QUEENS EXPWY)	278I WB (BROOKLYN-QUEENS EXPWY) - BKLN BRIDGE		A		11	STATE	8/17/2023	4	5.35	FAIR	20529.0	\$92,380,500	302		
2268517	K	278I WB (BROOKLYN-QUEENS EXPWY)	FURMAN ST		A		7	STATE	7/25/2024	3	4	POOR	12243.0	\$55,093,500	302		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2268518	K	278I EB (BROOKLYN-QUEENS EXPWY)	278I WB (BROOKLYN-QUEENS EXPWY)		A		5	STATE	7/26/2023	4	4.8	FAIR	9349.0	\$42,070,500	302		
2268650	M	FDR NB E42ND TO E49TH ST	EAST RIVER SHORE-LINE		A		119	STATE	4/29/2024	4	4.8	FAIR	24839.0	\$111,775,500	106		
2268770	Q	SPRINGFIELD BLVD	EQUESTRIAN PATH (ABANDONED)		O		1	STATE	3/29/2023	6	6	FAIR	1619.0	\$7,285,500	413		
2268920	R	AMBOY ROAD	LEMON CREEK		WO		1	STATE	2/20/2024	6	6.6	GOOD	1376.0	\$6,192,000	503		
2269030	B	MATTHEWSON ROAD	MACCRACKEN AVE		O		15	STATE	8/15/2024	5	6	FAIR	14880.0	\$66,960,000	205		
2269190	M	W 70TH ST	AMTRAK	A	O		3	STATE	8/1/2023	6	7.45	GOOD	17258.0	\$77,661,000	107		
2269200	M	RIVERSIDE DRIVE SOUTH	AMTRAK	A	O		11	STATE	8/3/2023	6	8.45	VGOOD	69040.0	\$310,680,000	107		
2269210	M	W 68TH ST	AMTRAK	A	O		3	STATE	8/1/2023	7	9	VGOOD	5382.0	\$24,219,000	107		
2269240	M	RIVERSIDE DRIVE	W 155TH ST		O		1	STATE	3/3/2023	4	5.56	FAIR	3526.0	\$15,867,000	109	112	
2269390	M	W 66TH ST	AMTRAK	A	O		2	STATE	6/22/2024	6	8	VGOOD	4469.0	\$20,110,500	107		
2269470	B	STARLIGHT PARK SOUTH PED BRIDGE	BRONX RIVER		PED-WO	P	1	CITY	2/14/2023	7	8	VGOOD	3271.0	\$14,719,500	209		
2269480	B	STARLIGHT PARK NORTH PED BRIDGE	BRONX RIVER		PED-WO	P	1	CITY	11/3/2023	6	7	GOOD	1839.0	\$8,275,500	209		
2269600	0	ERSKINE ST	BSHP		A		1	STATE	7/9/2024	6	7.2	GOOD	8325.0	\$37,462,500	305		
2269730	R	PARKING EXIT RAMP	SIRT	S	O	F	10	STATE	8/6/2024	6	6.55	GOOD	20769.0	\$93,460,500	501		
2269740	R	BUS STATION NORTH	SIRT - FERRY TERMINAL	S	O	F	12	STATE	8/14/2024	6	7	GOOD	64959.0	\$292,315,500	501		
2269750	R	BUS STATION SOUTH	SIRT - PARKING LOT	S	O	F	12	STATE	9/9/2024	6	6.8	GOOD	155022.0	\$697,599,000	501		
2269760	R	NORTH RAMP	SIRT	S	O	F	2	STATE	4/26/2024	6	8	VGOOD	6000.0	\$27,000,000	501		
2269770	R	BUS STA ENTR RAMP	SIRT	S	O	F	19	STATE	11/8/2023	6	6	FAIR	39376.0	\$177,192,000	501		
2269780	R	PARKING ENTR RAMP	SIRT	S	O	F	3	STATE	8/28/2024	6	7	GOOD	8589.0	\$38,650,500	501		
2269790	R	BUS STATION EXIT RAMP	SIRT	S	O	F	7	STATE	9/5/2024	5	5.8	FAIR	28182.0	\$126,819,000	501		
2269820	M	E 81 ST PED BRIDGE	FDR DRIVE NB		PED-A	P	10	CITY	7/26/2023	6	6	FAIR	476.0	\$2,142,000	108		
2269900	B	STARLIGHT PARK PED PATH	BRONX RIVER		PED-WO		1	CITY	3/29/2024	7	9	VGOOD	3352.0	\$15,084,000	202	209	
2269980	M	W 64TH ST	AMTRAK	A	O		2	STATE	6/22/2024	6	8	VGOOD	5177.0	\$23,296,500	107		
2269990	M	W 63RD STREET	AMTRAK RR	A	O		2	STATE	2/17/2023	7	8	VGOOD	3600.0	\$16,200,000	107		
2270030	B	E 156TH ST	ACCESS TO HOUSING		O	ED	16	STATE	10/16/2024	4	5.2	FAIR	50830.0	\$228,735,000	204		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2270170	R	SI FERRY PED BRIDGE	PARKING LOT EXIT RDWY		PED-O	F	6	CITY	1/5/2024	7	7	GOOD	2826.0	\$12,717,000	501		
2270180	R	BOROUGH PLACE - RAMP A	STATEN ISLAND RAILWAY	S	O	F	1	STATE	4/22/2024	7	7.8	VGOOD	1870.0	\$8,415,000	501		
2270690	Q	MERIDIAN ROAD	TIDE GATE DAM		WO	P	9	STATE	7/24/2024	4	4.45	FAIR	6480.0	\$29,160,000	481		
2270890	R	SPRINGVILLE GREEN-WAY PED	FRESHWATER WET-LANDS		PED-WO	P	1	CITY	4/6/2023	7	7	GOOD	343.0	\$1,543,500	502		
2270970	BM	RANDALL'S ISLAND CONN. PED	BRONX KILL		PED-WO	P	6	CITY	6/21/2024	6	7	GOOD	3089.0	\$13,900,500	111	201	
2271160	M	FREEDOM PLACE SOUTH	AMTRAK RR	A	O		2	STATE	2/17/2023	7	7.6	GOOD	6732.0	\$30,294,000	107		
2271180	M	RIVERSIDE PARK - SOUTH	AMTRAK EMPIRE LINE	A	PED-O	P	171	PARKS	1/25/2018	5	4.064	FAIR	252728.0	\$1,137,276,000	107		
2271190	M	RIVERSIDE PARK - NORTH	AMTRAK EMPIRE LINE	A	PED-O	P	403	PARKS	2/23/2018	3	2.854	POOR	526320.0	\$2,368,440,000	107		
2271280	M	W 151ST ST PED BRIDGE	HHP-AMTRAK WEST SIDE	A	PED-A		1	CITY	9/27/2024	7	7.55	GOOD	4299.0	\$19,345,500	109		
2271310	Q	MOTOR PKWY (PED)	ALLEY POND PARK PED		PED-O	P	1	CITY	10/26/2023	5	5.45	FAIR	852.0	\$3,834,000	411		
2271480	M	E 54TH STREET PED BRIDGE	FDR DRIVE		PED		4	CITY	5/3/2024	7	9	VGOOD	4076.0	\$18,342,000	106		
2271500	M	West Thames St Ped bridge	WEST STREET (9A)		PED-O		9	CITY	10/10/2023	7	8	VGOOD	4802.0	\$21,609,000	112		
2271590	M	W158th St Ped Bridge	FT WASHINGTON PARK		PED-O	P	16	CITY	10/29/2024	6	7	GOOD	5520.0	\$24,840,000	112		
2271600	B	KIERAN TRAIL CART PATH	VAN CORTLANDT		PED-WO	P	5	CITY	6/26/2024	4	4.65	FAIR	400.0	\$1,800,000	226		
2271610	B	OLD PUTNAM TRAIL NO BRIDGE	VAN CORTLANDT LAKE		PED-WO	P	2	CITY	9/18/2023	4	5	FAIR	1500.0	\$6,750,000	226		
2271620	B	KIERNAN NATURE TRAIL	VAN CORTLANDT LAKE		PED-WO	P	1	CITY	9/18/2023	4	5	FAIR	912.0	\$4,104,000	226		
2271630	M	LITTLE HELL GATE BRIDGE	HARLEM RIVER INLET		PED-WO	P	1	CITY	2/15/2023	5	6	FAIR	1798.0	\$8,091,000	111		
2271640	M	CARL SCHURZ PARK PED	PARK PATH AT E 87TH ST		PED-O	P	1	CITY	7/29/2024	5	5.56	FAIR	418.5	\$1,883,250	108		
2271650	R	LEMON CREEK PARK PED	PRINCESS BAY INLET		PED-WO	P	5	CITY	9/25/2024	6	7	GOOD	180.0	\$810,000	503		
2271710	R	SATERLEE ST	CONFERENCE HOUSE PARK POND		PED-WO		1	CITY	9/19/2023	7	7	GOOD	412.5	\$1,856,250	503		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
2271940	M	EAST 55TH ST	FDR DRIVE		PED-A		2	CITY	4/27/2024	5	6	FAIR	4780.0	\$21,510,000	106		
2300130	Q	ROCKAWAY BLVD	HOOK CREEK		WO		3	STATE	5/30/2023	6	6.45	GOOD	18302.0	\$82,359,000	413		
7702990	M	FT WASHTN PARK RD	AMTRAK-W SIDE CON	A	PED-O	P	1	CITY	9/25/2024	3	4.2	FAIR	1400.0	\$6,300,000	112		
7703000	M	HIGH LINE PED BRIDGE	W34TH ST TO GAN-SEVOORT ST		PED-O	P	223	CITY	4/5/2022	5	5.35	FAIR	315153.0	\$1,418,188,500	104		
7705510	Q	167TH ST PED BRIDGE	LIRR PORT WASH BR	L	PED-O		3	CITY	7/10/2021	4	3.821	FAIR	840.0	\$3,780,000	407		
205580A	Q	NORTHERN BLVD WB TO 678I SB	VACANT LAND		AR		16	STATE	6/4/2024	6	6.44	GOOD	8594.0	\$38,673,000	407		
206672A	B	174TH ST-NTH PED BRIDGE	895I - SHERIDAN EXPWY		PED-A		4	CITY	1/18/2024	5	5.8	FAIR	2372.0	\$10,674,000	209		
206672B	B	174TH ST-STH PED BRIDGE	895I - SHERIDAN EXPWY		PED-A		4	CITY	12/13/2023	5	5	FAIR	1900.0	\$8,550,000	209		
222928C	M	PED BR AT W 73RD ST	HHP - AMTRAK	A	PED-A	P	5	CITY	9/26/2024	5	5.55	FAIR	9531.0	\$42,889,500	107		
222928D	M	W72ND ST RAMP TO HHP NB	RELIEF		AR		1	STATE	2/21/2024	7	9	VGOOD	1764.0	\$7,938,000	107		
222934A	M	RAMP TO NB HENRY HUDSON PKWY	AMTRAK WEST SIDE	A	AR		26	STATE	9/10/2024	4	4.65	FAIR	10800.0	\$48,600,000	112		
223201A	M	FDR DRIVE NB OFF RMP	FDR DR & SOUTH ST		AR		17	STATE	5/1/2024	6	6.75	GOOD	23436.0	\$105,462,000	101		
223201B	M	SOUTH ST RAMP TO FDR SB	SOUTH ST		AR		7	STATE	5/31/2024	5	5.75	FAIR	11565.0	\$52,042,500	101		
223201C	M	FDR DR SOUTHBOUND OFF RMP	SOUTH ST		AR		8	STATE	3/15/2024	5	6.4	FAIR	11194.0	\$50,373,000	103		
223201D	M	RAMP TO NORTH-BOUND FDR DRIVE	FDR & SOUTH ST		AR		22	STATE	4/16/2024	5	6.2	FAIR	15825.0	\$71,212,500	101	103	
223204A	M	FDR NB RAMP TO HOUSTON ST	RELIEF		AR		4	STATE	2/9/2024	6	6	FAIR	7450.0	\$33,525,000	103		
223204B	M	HOUSTON ST RAMP TO FDR NB	RELIEF		AR		4	STATE	2/9/2024	6	6	FAIR	7150.0	\$32,175,000	103		
224001A	M	PARK ROW TO BKLN	WILLIAM ST NB		OE		4	STATE	5/1/2024	5	5.6	FAIR	9317.0	\$41,926,500	101		
224001B	M	TO BKLN FRM FDR	FRANKFORT & PEARL ST		OE		31	STATE	6/15/2024	5	6.4	FAIR	52302.0	\$235,359,000	101	103	
224001C	M	PEARL ST TO BKLN	LAND ADJ TO BRIDGE		OE		3	STATE	4/25/2024	5	5.65	FAIR	3893.0	\$17,518,500	101		
224001D	M	TO FDR DR NB	PEARL STREET		OE		30	STATE	6/27/2024	5	6	FAIR	49383.0	\$222,223,500	101	103	
224001E	M	TO PEARL ST	LAND ADJ TO BRIDGE		OE		3	STATE	5/8/2024	5	6.55	GOOD	5535.0	\$24,907,500	101		
224001F	M	PEARL ST TO FDR DR	LAND ADJ TO BRIDGE		OE		3	STATE	4/25/2024	6	7	GOOD	5211.0	\$23,449,500	103		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPECTION DATE	GENERAL RECOMMENDATION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
224001G	M	TO PARK ROW	ROSE ST		OE		8	STATE	5/29/2024	5	6.05	FAIR	16605.0	\$74,722,500	101		
224004A	M	TO E 60TH ST FROM QNS	FIRST AVE		OE		13	STATE	3/15/2024	5	6.8	GOOD	14820.0	\$66,690,000	108		
224004B	M	TO QNS FROM E 59TH ST	FIRST AVE		OE		13	STATE	3/15/2024	6	7	GOOD	14820.0	\$66,690,000	108		
224004C	M	TO E 62ND ST FROM QNS	E 60TH - E 61ST ST		OE		10	STATE	4/24/2024	5	6.2	FAIR	18744.0	\$84,348,000	108		
224004D	M	TO QNS FROM E 58TH ST	E 59TH ST		OE		12	STATE	5/1/2024	5	6	FAIR	15042.0	\$67,689,000	106	108	
224004E	Q	TO NY FR THOMSON AVE	JACKSON AVE	L	OE		94	STATE	12/13/2024	5	6.55	GOOD	105067.0	\$472,801,500	402		
224004F	Q	TO NY FROM 21ST ST	21ST ST		OE		63	STATE	11/6/2024	6	5.9	FAIR	63365.0	\$285,142,500	402	401	
224004G	Q	TO NY FROM 11TH ST	TERRAIN (CHAMBER)		OE		36	STATE	8/28/2024	6	6.35	FAIR	8410.0	\$37,845,000	401	402	
224004H	Q	TO 21ST ST FROM NY	22ND ST		OE		43	STATE	10/10/2024	5	5.55	FAIR	48100.0	\$216,450,000	402		
224004I	Q	TO THOMSON AVE FROM NY	JACKSON AVE	L	OE		39	STATE	9/25/2024	5	6.35	FAIR	59100.0	\$265,950,000	402		
224004J	M	25X TO/FROM 2ND AVE	NYC GARAGE		OE		14	STATE	3/26/2024	5	6.45	GOOD	42301.0	\$190,354,500	108		
224005A	M	RAMP FROM FDR DRIVE	HARLEM RIVER DR NB		OR		11	STATE	6/4/2024	6	8	VGOOD	25224.0	\$113,508,000	111		
224005B	B	TO BRUCKNER BLVD	RELIEF		OR		4	STATE	10/23/2023	7	7.45	GOOD	20001.0	\$90,004,500	201		
224006A	B	FROM BRUCKNER BLVD	PARKING AREA		OR		5	STATE	8/31/2023	6	7.35	GOOD	11197.0	\$50,386,500	201		
224007A	M	RAMP TO MADISON AVENUE	E 138TH ST		OR		7	STATE	2/16/2024	5	6.55	GOOD	18567.0	\$83,551,500	111		
224501B	M	W 33RD ST	AMTRAK 30 ST BRANCH	A	OR		8	STATE	1/31/2024	4	5.75	FAIR	16500.0	\$74,250,000	104		
224501D	M	W 34TH ST	AMTRAK 30 ST BRANCH	A	OR		4	STATE	4/11/2023	5	6	FAIR	11800.0	\$53,100,000	104		
224501E	M	W 35TH ST	AMTRAK 30 ST BRANCH	A	OR		3	STATE	7/3/2024	4	5.6	FAIR	6540.0	\$29,430,000	104		
224501F	M	W 36TH ST	AMTRAK 30 ST BRANCH	A	OR		3	STATE	8/21/2023	5	5.8	FAIR	5580.0	\$25,110,000	104		
226672A	M	W 31ST ST	AMTRAK LAYUP TRACKS	A	O		4	STATE	10/19/2024	7	9	VGOOD	6512.0	\$29,304,000	104		
226771A	M	79 ST RAMP TO HHP	79 ST BT BASIN GAR		AR	P	4	STATE	4/28/2022	5	5.2	CLOSED	2943.0	\$13,243,500	107		
226771B	M	79 ST RAMP TO GAR	79 ST BT BASIN GAR		AR	P	21	STATE	5/20/2022	5	5.8	CLOSED	9706.0	\$43,677,000	107		
226771C	M	GAR RAMP TO 79 ST	79 ST BT BASIN GAR		AR	P	21	STATE	5/16/2022	5	6	CLOSED	9821.0	\$44,194,500	107		
226771D	M	SB HHP RAMP TO 79 ST	79 ST BT BASIN GAR		AR	P	4	STATE	3/14/2024	5	5	FAIR	2943.0	\$13,243,500	107		
227128A	M	W 151ST ST PED -WEST RAMP	RIVERSIDE PARK		PED-A	P	9	CITY	6/13/2024	7	7.8	VGOOD	4678.0	\$21,051,000	109		

2.3 Bridge Inventory

STRUCTURE INVENTORY

B.I.N.	BORO	FEATURE CARRIED	FEATURE CROSSED	RAIL-ROAD	BRIDGE TYPE	OTHER OWNER	SPANS	RATING SOURCE	INSPEC-TION DATE	GENERAL RECOM-MENDA-TION**	CURRENT RATING (NBI-W)*	VERBAL RATING (NBI-W)*	DECK AREA (SQ FT)	REPLACEMENT COST	CD	CD2	CD3
K-00001	K	BOULDER BRIDGE	PED PATH		PED-O	P	1	CITY	8/8/2024	5	5.56	FAIR	310.0	\$1,395,000	355		
M00001	M	W191ST ST PED	BROADWAY - IRT #1 SUBWAY		PED-O		1	CITY	11/22/2024	5	5.45	FAIR	2000.0	\$9,000,000	112		
M00003	M	HHP ON/OFF RMP-79TH ST SOUTH SIDE	PED PATH SOUTH OF 79TH ST		A		1	CITY	7/3/2024	5	7	GOOD	846.0	\$3,807,000	107		
M00004	M	HHP ON/OFF RMP-79TH ST NORTH SIDE	PED PATH NORTH OF 79TH ST		A		1	CITY	7/3/2024	4	6.13	FAIR	846.0	\$3,807,000	107		
M00005	M	E 72ND ST	FDR SB EXIT RAMP		PED-A		1	CITY	2/6/2024	5	5	FAIR	1430.0	\$6,435,000	108		
Q-00003	Q	BROOKVILLE PARK PED AT 142ND AVE	BROOKVILLE PARK STREAM		PED-WO	P	1	CITY	9/4/2024	5	6	FAIR	190.0	\$855,000	413		
Q-00004	Q	BROOKVILLE PARK PED AT CANEY RD	BROOKVILLE PARK STREAM		PED-WO	P	1	CITY	9/10/2024	5	5.8	FAIR	211.0	\$949,500	413		
Q-00006	Q	BROOKVILLE PARK PED AT NEWHALL AVE	BROOKVILLE PARK STREAM		PED-WO	P	1	CITY	9/11/2023	5	5.2	FAIR	299.0	\$1,345,500	413		
Q-00007	Q	BROOKVILLE PARK PED AT 147TH AVE	BROOKVILLE PARK STREAM		PED-WO	P	1	CITY	9/11/2023	5	5.55	FAIR	226.0	\$1,017,000	413		
Q-00008	Q	BROOKVILLE PARK PED AT 144TH AVE	BROOKVILLE PARK STREAM		PED-WO	P	1	CITY	9/25/2024	5	5.65	FAIR	468.0	\$2,106,000	413		
S-00001	R	PARK PATH WOLF'S POND PARK	SPILLWAY		PED-WO	P	1	CITY	8/2/2023	7	7	GOOD	130.0	\$585,000	503		
813 OPEN BRIDGES			OPEN SPANS 5,164									OPEN SF	15,700,477	\$70,895,043,000	ALL		

* NBI-W RATINGS (0-9 SCALE) ARE BASED ON THREE OVERALL BRIDGE RATINGS FOR THE BRIDGE. NBI DECK, NBI SUPERSTRUCTURE AND NBI SUBSTRUCTURE.

NBIW = $(0.2 \cdot \text{DECK} + 0.35 \cdot \text{SUPERSTRUCTURE} + 0.45 \cdot \text{SUBSTRUCTURE}) / (0.2 + 0.35 + 0.45)$.

** OVERALL RATING FOR THE BRIDGE ASSIGNED BY LEAD INSPECTOR USING THE OLD RATING SCALE (1-7).

Tunnel Inventory

TUNNEL IDENTIFICATION NUMBER	BORO	FEATURE CARRIED	FEATURE CROSSED	TUNNEL TYPE	SPANS	RATING SOURCE	*INSPECTION DATE	DECK AREA	REPLACEMENT COST	CD	CD2
NYCDOTN3101	M	EAST 34TH STREET (2246540)	PARK AVENUE TUNNEL	OT	1	CITY	10/17/2023	36,200.00	\$162,900,000	105	106
NYCDOTN3102	M	EAST 42ND STREET - EAST 47TH STREET (2246570)	FIRST AVENUE TUNNEL	OT	2	CITY	10/15/2024	95,000.00	\$427,500,000	106	
NYCDOTN3103	M	BATTERY PLACE (2232000)	FDR DRIVE	AT	2	CITY	2/5/2024	142,000.00	\$639,000,000	101	
NYCDOTN3104	M	WEST STREET (2267380)	RECTOR STREET - BROOKLYN BATTERY TUNNEL MANHATTAN PLAZA	AT	1	CITY	2/7/2024	25,760.00	\$115,920,000	101	

There is no rating scale for the tunnels. No conversion is available with the new rating system. The ratings shown in previous annual reports were from the pre-2016 system.

Culvert Inventory

BIN	FEATURE CARRIED	FEATURE CROSSED	BRIDGE TYPE	SPANS	SOURCE
R00141	ALTER AVE	STORM&GRND FED STREAM	O	1	CITY
R00036	AMBOY ROAD	ARbutus AVE	O	1	CITY
R00133	ARDEN AVE	HALPIN AVE	O	1	CITY
R00105	ARTHUR KILL ROAD	CLARKE AVENUE	O	1	CITY
R00086	ARTHUR KILL ROAD	ENGLEWOOD ST	O	1	CITY
R00084	ARTHUR KILL ROAD	MULDOON AVE	O	1	CITY
R00085	ARTHUR KILL ROAD	150' N.W. ELLIS ROAD	O	1	CITY
R00106	ARTHUR KILL ROAD	RICHMONDTOWN ROAD	O	1	CITY
R00122	ARTHUR KILL ROAD	RIDGEWOOD AVE	O	1	CITY
R00103	AULTMAN AVE	ST GEORGE ROAD	O	2	CITY
R00005	BIDWELL AVE	COLUMBUS PLACE	O	1	CITY
R00035	BRADLEY AVE	WILLOWBROOK ROAD	O	1	CITY
R00077	BUCHANAN AVE	HAROLD ST	O	1	CITY
R00139	DE PEW PL	MAGUIRE AVE	O	1	CITY
R00004	DICKIE AVE	NEAR COLUMBUS PLACE	O	1	CITY
R00027	ELEANOR ST	ROCKLAND AVE	O	1	CITY
R00011	FOREST AVE	CRYSTAL AVE	O	1	CITY
R00068	FOREST AVE	RANDALL AVE	O	1	CITY
R00041	93 FOSTER ROAD	AMBOY ROAD	O	1	CITY
R00010	GALLOWAY AVE	MARIANNE ST	O	1	CITY
R00016	GRAHAM BLVD	JAY ST	O	2	CITY
R00025	GREELEY AVE	SANILAC ST	O	1	CITY

BIN	FEATURE CARRIED	FEATURE CROSSED	BRIDGE TYPE	SPANS	SOURCE
R00069	GREGG PLACE	RANDALL AVE	O	1	CITY
R00051	HARBOR ROAD	DUBLIN PLACE	O	1	CITY
R00065	HENDERSON AVE	WESTBURY AVE	O	1	CITY
R00138	HOLLAND AVE	BENJAMIN PLACE	O	1	CITY
R00021	HUNTER AVE	IDLEASE PLACE	O	1	CITY
R00135	HYLAN BLVD	CORNELIA AVE	O	1	CITY
R00022	IDLEASE PLACE	HUNTER AVE	O	1	CITY
R00062	KISSEL AVE	SNUG HARBOR ROAD	O	1	CITY
R00042	LEDYARD PLACE	LACONIA AVE	O	1	CITY
R00024	LINCOLN AVE	SANILAC ST	O	1	CITY
R00038	MAGUIRE AVE	DEPEW PLACE	O	1	CITY
R00039	MAGUIRE AVE	DEPEW PLACE	O	1	CITY
R00040	113 MAGUIRE AVE	DEPEW PLACE	O	1	CITY
R00095	MEISNER AVE	ROCKLAND AVE	O	1	CITY
R00023	MIDLAND AVE	HYLAN BLVD	O	1	CITY
R00013	NAUGHTON AVE	PATTERSON AVE	O	3	CITY
R00015	OLYMPIA BLVD	SLATER AVE	O	1	CITY
R00097	RICHMOND HILL ROAD	RICHMOND ROAD	O	1	CITY
R00046	RICHMOND TERRACE	SNUG HARBOUR	O	2	CITY
R00137	RICHMOND TERRACE	WESTERN AVE	O	2	CITY
R00034	ROCKLAND AVE	BRIELLE AVE	O	1	CITY
R00096	ROCKLAND AVE	MANOR ROAD	O	1	CITY
R00076	ROOSEVELT AVE	HAROLD ST	O	1	CITY
R00101	ST ANDREWS ROAD	LIGHTHOUSE AVE	O	1	CITY

BIN	FEATURE CARRIED	FEATURE CROSSED	BRIDGE TYPE	SPANS	SOURCE
R00032	SEGUINE AVE	PURDY PLACE	O	1	CITY
R00060	SIGNS ROAD	VICTORY BLVD	O	1	CITY
R00136	SNUG HARBOR ROAD	KISSEL AVE	O	1	CITY
R00114	SWEET BROOK ROAD	RIDGEWOOD ROAD	O	1	CITY
R00031	TARLTON ST	GREAT KILLS LANE	O	1	CITY
R00055	TRAVIS AVE	VICTORY BLVD	O	1	CITY
R00115	VICTORY BLVD	CLOVES LAKE PARK	O	3	CITY
R00059	WESTERN AVE	RR BRIDGE	WO	1	CITY

Program Outlook and Conclusion

Because the new AASHTO inspections report more detailed but less granular data, direct comparison with past ratings is imperfect. Nevertheless, NYCDOT continues refining the translation between AASHTO and traditional rating scales to maintain consistency.

The Division continues to make measurable progress in improving bridge conditions citywide. However, maintaining and extending these improvements requires continued investment in preventive maintenance and corrective repair programs, which have historically slowed the deterioration of bridges in Good and Very Good condition.

Suggested Reading and Acknowledgements

3.1 Suggested Reading 71

3.2 Acknowledgements 74

3

Suggested Reading

For Children

Aaseng, Nathan. *Construction: Building the Impossible*. Oliver Press, Incorporated, 2000.

Adkins, Jan (illustrator). *Bridges: From My Side to Yours*. Roaring Brook, 2002.

Aloian, Sam. *Como Se Construye Un Puente (How a Bridge Is Built)* (Mundo y la Ingenieria - (Engineering Our World) (Spanish and English Editions), Gareth Stevens Publishing, 2016.

Baxter, Nicola. *Bridges*. Scholastic Library Publishing, 2000.

Bernhardt, Carolyn. *Engineer It! Bridge Projects (Super Simple Engineering Projects)*. Super Sandcastle, 2017.

Burns, Kylie. *A Bridge Goes Over (Be An Engineer! Designing to Solve Problems)*. Crabtree Publishing Company, 2017.

Cornille, Didier, and Stern Broad, Yolanda (translator). *Who Built That? Bridges: An Introduction to Ten Great Bridges and Their Designers*. Princeton Architectural Press, 2016.

Enz, Tammy. *Building Bridges (Young Engineers)*. Heinemann, 2017.

Eggers, Dave, and Nichols, Tucker (illustrator). *This Bridge Will Not Be Gray*. McSweeney's, 2015.

Graham, Ian. *The Science of Bridges and Tunnels: The Art of Engineering*. Grolier, 2019.

Harris, David W. *Truss Fun*. BaHa Enterprises, 2nd edition, 2004.

Johmann, Carol A., Rieth, Elizabeth, and Kline, Michael P. (illustrator). *Bridges: Amazing Structures to Design, Build & Test (Kaleidoscope Kids Series)*. Williamson Publishing, 1999.

Keely, Cheryl , and Krampien, Celia (illustrator). *A Book of Bridges: Here To There and Me To You*. Sleeping Bear Press, 2017.

Landau, Elaine. *Bridges*. (True Books: Buildings and Structures). Children's Press, 2000.

Latham, Donna, and Vaughn, Jen (illustrator). *Bridges and Tunnels: Investigate Feats of Engineering with 25 Projects (Build It Yourself series)*. Nomad Press, 2012. (Recommended by the National Science Teachers Association.)

Levy, Matthys, and Panchyk, Richard. *Engineering the City: How Infrastructure Works - Projects and Principles for Beginners*. Chicago Review Press, 2000.

Macaulay, David. *Building Big*. Houghton Mifflin Company, 2000.

Manzano, Sonia, and Gibbons, Noelle S. (illustrator). *The Lowdown on the High Bridge: The Story of How New York City Got its Water*. Bronx Children's Museum, 2015.

Maxwell, Yolonda. *Famous Bridges of The World: Measuring Length, Weight, And Volume*. PowerKids Press, revised edition, 2005.

Nardo, Don. *Roman Roads and Aqueducts*. Gale Group, 2000.

Nelson, Robin. *From Cement to Bridge (Start to Finish)*. Lerner Publications, 2004. (Also available in a Spanish edition.)

NJIT Civil Engineering Mentors. *Roxy the Fox and the Tree Truss Bridge*. XLIBRIS, 2017.

Parker, Janice. *Science of Structures*. Weigl Publishers, Incorporated, 2001.

Richards, Julie. *Bridges*. Smart Apple Media, 2003.

Simon, Seymour. *Bridges (Seemore Readers)*. Chronicle Books, 2005. (Winner of the Oppenheim Toy Portfolio Best Book Award Gold Seal.)

Simon, Seymour, Fauteux, Nicole, and Cushman, Doug (illustrator). *Let's Try It Out with Towers and Bridges: Hands-On Early Learning Activities*. Atheneum, 2003.

Squire, Ann O. *Extreme Bridges (True Books)*. Children's Press, 2014.

Stone, Lynn M. *Bridges*. Rourke Publishing, 2002.

Swanson, Jennifer, and Stone, Bryan (illustrator). *Bridges!: With 25 Science Projects for Kids. (Explore Your World Series)*. Nomad Press, 2018.

Vanderwarker, Peter, and Keller, John (editor). *Big Dig: Reshaping an American City*. Little, Brown Children's Books, 2001.

Weitzman, David. *Skywalkers: Mohawk Ironworkers Build the City*. Flash Point, 2010.

Willard, Keith, and Richardson, Adele. *Bridges*. The Creative Company, 2000.

Wolny, Philip. *High Risk Construction Work: Life Building Skyscrapers, Bridges, and Tunnels. (Extreme Career Series)*. The Rosen Publishing Group, 2008.

Zaunders, Bo, and Munro, Roxie (illustrator). *The Great Bridge-Building Contest*. Harry N. Abrams, 2004.

For Children (Brooklyn Bridge)

Bildner, Phil, and Pham, LeUyen (illustrator). *Twenty-One Elephants*. Simon & Schuster Children's Publishing, 2005.

Curlee, Lynn. *Brooklyn Bridge*. Simon & Schuster Trade, 2001.

Cobblestone Magazine: Discover American History. *The Great Bridge (Special Issue Focus on the Brooklyn Bridge)*. March 2010, Volume 31, Number 3.

Dougherty, Rachel. *Secret Engineer: How Emily Roebling Built the Brooklyn Bridge*. Roaring Brook Press, 2019.

Mann, Elizabeth, and Witschonke, Alan (illustrator). *The Brooklyn Bridge: The Story of the World's Most Famous Bridge and the Remarkable Family That Built It*. Mikaya Press, 2006.

Muaddi Darraj, Susan. *Brooklyn Bridge. (Building America: Now and Then Series)*. Chelsea House Publishers, 2009.

Prentzas, G. S. *The Brooklyn Bridge (Building America: Then and Now)*. Chelsea House Publications, 2009.

Prince, April Jones, and Roca, Francois (illustrator). *Twenty-One Elephants and Still Standing*. Houghton Mifflin, 2005. (Also available in a Spanish edition.)

Ratliff, Tom, and Bergin, Mark. *You Wouldn't Want to Work on the Brooklyn Bridge!: An Enormous Project That Seemed Impossible. (You Wouldn't Want to...Series)*. Scholastic Library Publishing, 2009.

Tieck, Sarah. *Brooklyn Bridge*. ABDO Publishing Company, 2008.

Tomasi, Peter J., and DuVall, Sara (illustrator). *The Bridge: How the Roeblings Connected Brooklyn to New York*. Abrams ComicArts, 2018.

Stine, Megan, and Hinderliter, John and Groff, David (illustrators). *Where Is the Brooklyn Bridge?* Grosset & Dunlap, 2016.

Weiner, Vicki. *The Brooklyn Bridge: New York City's Graceful Connection*. Children's Press, 2004.

Wishinsky, Frieda, and Nelson, Natalie (illustrator). *How Emily Saved the Bridge: The Story of Emily Warren Roebling and the Building of the Brooklyn Bridge*. Groundwood Books, 2019.

For Children and Young Adults (Careers)

Baine, Celeste. *Is There A Civil Engineer Inside You? A Student's Guide to Exploring Careers in Civil Engineering and Civil Engineering Technology*. Bonamy Publishing; 2nd edition, Kindle edition, 2012.

Bix, Amy. *Girls Coming to Tech!: A History of American Engineering Education for Women (Engineering Studies)*. The MIT Press 2014.

Bulleit, William M. *What Makes an Engineering Education an Engineering Education? Proceedings of the Structures Congress 2012*.

Canel, Annie, Oldenziel, Ruth, and Zachman, Karin, (editors). *Crossing Boundaries, Building Bridges : Comparing the History of Women Engineers, 1870s-1990s*. Gordon & Breach Publishing Group, 2000.

Galloway, Patricia D. *The 21st-Century Engineer: A Proposal for Engineering Education Reform*. American Society of Civil Engineers, 2007.

Hatch, Sybil E., and Vanoni, Vito A. (Editor). *Changing Our World: True Stories of Women Engineers (ASCE Manuals and Reports on Engineering Practice, No. 109.)* American Society of Civil Engineers, 2006.

Hayes, Amy. *Building Bridges and Roads: Civil Engineers (Engineers Rule!)*. PowerKids Press, 2016.

Special Thanks



Earlene Powell began a 45-year career at DOT in October of 1980. She rose from Administrative titles supporting the Division of Bridges to her current position as Deputy Director of In-House Painting. She had led a team of over 40 painters and supervisors maintaining the protective coating and removing graffiti from our 813 bridges, 4 tunnels and the many highway walls of the Arterial system across all 5 boroughs. Her team is also responsible for maintaining the flags on top of the 278 foot high Brooklyn Bridge Towers 24/7/365. Everyone at the Department of Transportation is taking this opportunity to thank her for her dedication and commitment to the people of the City of New York and wishes her the best as she begins her well earned retirement.

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