

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
 Form Interface Design: www.historicbridges.org. Data Conversion Assistance By www.bridgehunter.com. None of the involved parties make any guarantee of accuracy.

Basic Information

New York [36]	Kings County [047]	New York [51000]	OVER GOWANUS CANAL	40-40-34.40 = 40.676222	073-59-25.27 = -73.990353
2240250	Highway agency district: #Num!	Owner City or Municipal Highway Agency [04]	Maintenance responsibility City or Municipal Highway Agency [04]		
Route 0	3RD STREET	Toll On free road [3]	Features intersected GOWANUS CANAL		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 54.7 km = 33.9 mi	Year built 1903	Year reconstructed 1982	
3 Movable - Bascule [16]	2 Girder and floorbeam system [03]	Skew angle 0	Structure Flared Yes, flared [1]	Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 32.3 m = 106.0 ft	Length of maximum span 17 m = 55.8 ft	Deck width, out-to-out 14.6 m = 47.9 ft	Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft		
Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 ft	Curb or sidewalk width - left 2.7 m = 8.9 ft	Curb or sidewalk width - right 2.7 m = 8.9 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Inventory rating 16.8 metric ton = 18.5 tons
	Method to determine operating rating	Operating rating 33.9 metric ton = 37.3 tons
Bridge posting Equal to or above legal loads [5]	Design Load	

Functional Details

Average Daily Traffic	10028	Average daily truck traffi	6	%	Year	2016	Future average daily traffic	10128	Year	2038
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	9.1 m = 29.9 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	0.6 m = 2.0 ft			Navigation horizontal clearance	15.2 m = 49.9 ft					
Minimum navigation vertical clearance, vertical lift bridge	0.6 m = 2.0 ft			Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft					
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A			Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]					
Appraisal ratings - underclearances	N/A [N]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Widening of existing bridge with deck rehabilitation or replacement. [34]	Bridge improvement cost	7892000	Roadway improvement cost	4622000						
	Length of structure improvement	32.3 m = 106.0 ft		Total project cost	12513000					
	Year of improvement cost estimate	2018								
	Border bridge - state		Border bridge - percent responsibility of other state							
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Very Good [8]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	49.1
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	May 2017 [0517]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2018 [0918]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2017 [0517]
Other special inspection	Not needed [N]	Other special inspection date	