

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

New York [36] Kings County [047] New York [51000] OVER GOWANUS CANAL 40-40-41 = 40.678056 073-59-21 = - 73.989167

2240260 Highway agency district #Num! Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route 0 CARROLL STREET Toll On free road [3] Features intersected GOWANUS CANAL

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

2 Movable - Swing [17] 0 Other [00] Year built 1889 Year reconstructed N/A [0000]

Skew angle 99 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 32.6 m = 107.0 ft Length of maximum span 19.2 m = 63.0 ft Deck width, out-to-out 8.5 m = 27.9 ft Bridge roadway width, curb-to-curb 5.4 m = 17.7 ft

Inventory Route, Total Horizontal Clearance 5.4 m = 17.7 ft Curb or sidewalk width - left 1 m = 3.3 ft Curb or sidewalk width - right 1 m = 3.3 ft

Deck structure type Wood or Timber [8]

Type of wearing surface Wood or Timber [7]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.1 km = 0.1 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 22.7 metric ton = 25.0 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 34.5 metric ton = 38.0 tons

Bridge posting 10.0 - 19.9 % below [3] Design Load

Functional Details

Average Daily Traffic	847	Average daily truck traffi	6	%	Year	2009	Future average daily traffic	1096	Year	2029
Road classification	Local (Urban) [19]		Lanes on structure	1		Approach roadway width	5.4 m = 17.7 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	1 - way traffic [1]		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	12.8 m = 42.0 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	4.11 m = 13.5 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	99.9 = Unlimited				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	1840000	Roadway improvement cost	1107000						
	Length of structure improvement	32.6 m = 107.0 ft		Total project cost	2947000					
	Year of improvement cost estimate	2009								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
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	63.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	June 2009 [0609]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2009 [1109]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	June 2009 [0609]
Other special inspection	Not needed [N]	Other special inspection date	