

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]	Queens County [081]	New York [51000]	ROOSEVELT ISLND IN EAST R	40-45-49.77 = 40.763825	073-56-47.62 = -73.946561
2240640	Highway agency district: #Num!	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]
Route 0		ROOSEVELT IS BRDG	Toll	On free road [3]	Features intersected
					36TH AVE, EAST RIVER, RO
Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi
3	Movable - Lift [15]	5	Stringer/Multi-beam or girder [02]	Year built	1955
				Year reconstructed	2008
				Skew angle	0
				Structure Flared	Yes, flared [1]
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	292 m = 958.1 ft	Length of maximum span	127.4 m = 418.0 ft	Deck width, out-to-out	12.6 m = 41.3 ft
				Bridge roadway width, curb-to-curb	10.4 m = 34.1 ft
Inventory Route, Total Horizontal Clearance	10.3 m = 33.8 ft	Curb or sidewalk width - left	1.8 m = 5.9 ft	Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type	Closed Grating [4]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	33 metric ton = 36.3 tons
0.1 km = 0.1 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	52 metric ton = 57.2 tons
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	7133	Average daily truck traffi	10	%	Year	2018	Future average daily traffic	7204	Year	2038
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	10.4 m = 34.1 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	Highway-waterway [6]		Lanes under structure	3		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	12.1 m = 39.7 ft			Navigation horizontal clearance	123.1 m = 403.9 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	4.34 m = 14.2 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	1.8 m = 5.9 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	5.74 m = 18.8 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]									

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	48978000	Roadway improvement cost	28681000						
	Length of structure improvement	285.9 m = 938.0 ft		Total project cost	77659000					
	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	Posted for load [P]	Appraisal ratings - structural	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
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	
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	87.6
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	October 2018 [1018]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2018 [1018]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2018 [1018]
Other special inspection	Not needed [N]	Other special inspection date	