HistoricBridges.org - National Bridge Inventory Data Sheet

2016 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	New York County [061]	New York [51000]	QUEENSBORO BR OVR EAST RV	40-45-24.67 = 40.756853	073-57-15.62 = -73.954339

2240047	Highway agency district:	#Num!	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route	25		RTE 25	Toll	On free road [3]	Features intersected	NEW YORK STREETS, EAST R

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi		
7	Truss - Thru [10]	46	Stringer/Multi-beam or girder [02]	Year built	1909	Year reconstructed	1957
				Skew angle	99	Structure Flared	Yes, flared [1]
				Historical significance	Bridge is on the NRHP. [1]		

Total length	2054.6 m = 6741.1 ft	Length of maximum span	192 m = 630.0 ft	Deck width, out-to-out	28.3 m = 92.9 ft	Bridge roadway width, curb-to-curb	27.7 m = 90.9 ft
Inventory Route, Total Horizontal Clearance	7.4 m = 24.3 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Closed Grating [4]
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	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	24.5 metric ton = 27.0 tons	
0.9 km = 0.6 mi	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	53.7 metric ton = 59.1 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	Other [C]	

Functional Details

Average Daily Traffic	102592	Average daily truck traffi	7 %	Year	2010	Future average daily traffic	143629	Year	2030

Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	5	Approach roadway width	14.9 m = 48.9 ft
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]	Bridge median	Closed median (no barriers) [2]
Parallel structure designation	No parallel structure exists. [N]				
Type of service under bridge	Highway-waterway [6]	Lanes under structure	37	Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc	41.1 m = 134.8 ft	Navigation horizontal clearance	241.7 m = 793.0 ft		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	2.56 m = 8.4 ft		
Minimum lateral underclearance reference feature	Highway beneath structure [H]				
Minimum lateral underclearance on right	0.6 m = 2.0 ft	Minimum lateral underclearance on left	0.6 m = 2.0 ft		
Minimum Vertical Underclearance	3.65 m = 12.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]		
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]				

Repair and Replacement Plans

Type of work to be performed

Widening of existing bridge with deck rehabilitation or replacement. [34]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	500000000	Roadway improvement cost	292800000
Length of structure improvement	2054.6 m = 6741.1 ft	Total project cost	792800000
Year of improvement cost estimate	2014		
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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
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	Navigation protection not required [1]	Sufficiency rating	54.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	November 2014 [1114]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	November 2014 [1114]
Other special inspection	Not needed [N]	Other special inspection date	

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Basic Information

New York [36]	New York County [061]	New York [51000]	QUEENSBORO BR OVER EAST R	40-45-24.74 = 40.756872	073-57-15.62 = -73.954339

2240048	Highway agency district:	#Num!	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route	25		RTE 25	Toll	On free road [3]	Features intersected	NEW YORK STREETS, EAST R

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi		
7	Truss - Thru [10]	30	Stringer/Multi-beam or girder [02]	Year built	1909	Year reconstructed	1957
				Skew angle	99	Structure Flared	Yes, flared [1]
				Historical significance	Bridge is on the NRHP. [1]		

Total length	1637 m = 5371.0 ft	Length of maximum span	192 m = 630.0 ft	Deck width, out-to-out	18.3 m = 60.0 ft	Bridge roadway width, curb-to-curb	15.5 m = 50.9 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft	Curb or sidewalk width - left	0 m = 0.0 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	No rating analysis or evaluation perfor	Inventory rating	24.5 metric ton = 27.0 tons	
0.9 km = 0.6 mi	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	51.4 metric ton = 56.5 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	Other [C]	

Functional Details

Average Daily Traffic	102592	Average daily truck traffi	7 %	Year	2010	Future average daily traffic	143629	Year	2030

Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	4	Approach roadway width	13.7 m = 44.9 ft
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]	Bridge median	Closed median (no barriers) [2]
Parallel structure designation	No parallel structure exists. [N]				
Type of service under bridge	Highway-waterway-railroad [8	Lanes under structure	37	Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc	41.1 m = 134.8 ft	Navigation horizontal clearance	241.7 m = 793.0 ft		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.01 m = 13.2 ft		
Minimum lateral underclearance reference feature	Highway beneath structure [H]				
Minimum lateral underclearance on right	0.6 m = 2.0 ft	Minimum lateral underclearance on left	0.6 m = 2.0 ft		
Minimum Vertical Underclearance	3.65 m = 12.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]		
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]				

Repair and Replacement Plans

Type of work to be performed

Widening of existing bridge with deck rehabilitation or replacement. [34]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	13009000	Roadway improvement cost	7618000
Length of structure improvement	1637 m = 5371.0 ft	Total project cost	20627000
Year of improvement cost estimate	2014		
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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	There are no noticeable or noteworthy deficiencies which affect the condition of the channel. [9]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	48.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		

Inspection date	October 2014 [1014]	Designated inspection frequency	24	Months	
Underwater inspection	Not needed [N]	Underwater inspection date			
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2014 [1014]		
Other special inspection	Not needed [N]	Other special inspection date			