

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 Inventory

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]	3.3 MI SE 86 ST+SHORE PKY	40-35-45 = 40.595833	074-00-00 = - 74.000000
2231319	Highway agency district #Num!	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]
Route #Num!		RTE 907C	Toll	On free road [3]	Features intersected BAY PKWY
Design - main	Steel [3]	Design - approach		Kilometerpoint	847.9 km = 525.7 mi
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1941
				Year reconstructed	N/A [0000]
				Skew angle	13
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	26.8 m = 87.9 ft	Length of maximum span	25.9 m = 85.0 ft	Deck width, out-to-out	24.9 m = 81.7 ft
Inventory Route, Total Horizontal Clearance	10.3 m = 33.8 ft	Curb or sidewalk width - left	0.9 m = 3.0 ft	Curb or sidewalk width - right	0.9 m = 3.0 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	20 metric ton = 22.0 tons
0 km = 0.0 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	33.6 metric ton = 37.0 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	141200	Average daily truck traffi	6	%	Year	2011	Future average daily traffic	197680	Year	2031
Road classification	Principal Arterial - Other Freeways or Exp		Lanes on structure	6		Approach roadway width	20.7 m = 67.9 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, with or without ped		Lanes under structure	5		Navigation control	Not applicable, no waterway. [N]			
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge						Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft			
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	3 m = 9.8 ft					Minimum lateral underclearance on left	99.9 = Unlimited			
Minimum Vertical Underclearance	4.34 m = 14.2 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Somewhat better than minimum adequacy to tolerate being left in place as is [5]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Bridge deck rehabilitation with only incidental widening. [36]	Bridge improvement cost	1000000	Roadway improvement cost	586000
	Length of structure improvement	26.8 m = 87.9 ft	Total project cost	1586000
	Year of improvement cost estimate	2011		
	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	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	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	52.8
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			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	June 2011 [0611]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	