HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Monroe County [055]	Brockport [08466]	JCT BARGE C&RTE 19	43-13-00 = 43.216667	077-56-17 = -77.938056

4443240	Highway agency district	43	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	19	RTE 19	Toll	On free road [3]	Features intersected	ERIE CANAL

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	942.1 km = 584.1 mi
1	Movable - Lift [15]	2	Stringer/Multi-beam or girder [02]	Year built	1915
				Year reconstructed	1992
				Skew angle	0
				Structure Flared	Yes, flared [1]
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	47.5 m = 155.8 ft	Length of maximum span	39.6 m = 129.9 ft	Deck width, out-to-out	7.8 m = 25.6 ft	Bridge roadway width, curb-to-curb	7.2 m = 23.6 ft
Inventory Route, Total Horizontal Clearance	7.2 m = 23.6 ft	Curb or sidewalk width - left	1.7 m = 5.6 ft	Curb or sidewalk width - right	1.7 m = 5.6 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	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	33.6 metric ton = 37.0 tons
0.6 km = 0.4 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	68 metric ton = 74.8 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	11788	Average daily truck traffi	5 %	Year	2009	Future average daily traffic	15480
Year	2029						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	7.3 m = 24.0 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	5.1 m = 16.7 ft	Navigation horizontal clearance	24.3 m = 79.7 ft				
Minimum navigation vertical clearance, vertical lift bridge	0.9 m = 3.0 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	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

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

Work done by	Work to be done by contract [1]		
Bridge improvement cost	926000	Roadway improvement cost	552000
Length of structure improvement	47.5 m = 155.8 ft	Total project cost	1478000
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	Open, no restriction [A]	Appraisal ratings - structural	Better than present minimum criteria [7]
Condition ratings - superstructur	Good [7]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
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	69.7

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
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 2008 [1008]	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 2008 [1008]
Other special inspection	Not needed [N]			Other special inspection date	