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]	Orleans County [073]	Gaines [27958]	1.6MI W JCT BARGE C+RTE98	43-15-08 = 43.252222	078-13-11 = -78.219722

4445140	Highway agency district: 45	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		GAINES BASIN ROAD	Toll: On free road [3]	Features intersected: ERIE CANAL	

Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	2	Arch - Deck [11]	Year built: 1912	Year reconstructed: N/A [0000]
				Skew angle: 36	Structure Flared:
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	60.6 m = 198.8 ft	Length of maximum span	45.7 m = 149.9 ft	Deck width, out-to-out	5 m = 16.4 ft	Bridge roadway width, curb-to-curb	4.6 m = 15.1 ft
Inventory Route, Total Horizontal Clearance	4.6 m = 15.1 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Not applicable [N]
Type of wearing surface	Bituminous [6]
Deck protection	Not applicable (applies only to structures with no deck) [N]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	22 metric ton = 24.2 tons	
0.3 km = 0.2 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	51 metric ton = 56.1 tons	
	Bridge posting	30.0 - 39.9 % below [1]	Design Load		

Functional Details

Average Daily Traffic	897	Average daily truck traffi	4 %	Year	2001	Future average daily traffic	1303	Year	2021

Road classification	Collector (Urban) [17]	Lanes on structure	1	Approach roadway width	5.4 m = 17.7 ft
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	4.6 m = 15.1 ft	Navigation horizontal clearance	22.8 m = 74.8 ft		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.72 m = 15.5 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

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

Work done by	Work to be done by contract [1]		
Bridge improvement cost	670000	Roadway improvement cost	400000
Length of structure improvement	60.6 m = 198.8 ft	Total project cost	1070000
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	Bridge closed to all traffic [K]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	50.8

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	
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	March 2010 [0310]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2010 [0310]
Other special inspection	Not needed [N]	Other special inspection date	