

HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	Orleans County [073]	Gaines [27958]	3 MI W JCT BRG CNL & SH98	43-15-06 = 43.251667	078-15-11 = - 78.253056
4445150	Highway agency district: 45	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0		EAGLE HARBOR ROAD	Toll On free road [3]	Features intersected ERIE CANAL	
Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi
1	Movable - Lift [15]	2	Stringer/Multi-beam or girder [02]	Year built	1910
				Year reconstructed	N/A [0000]
				Skew angle	21
				Structure Flared	Yes, flared [1]
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	44.1 m = 144.7 ft	Length of maximum span	37.4 m = 122.7 ft	Deck width, out-to-out	6.2 m = 20.3 ft
				Bridge roadway width, curb-to-curb	5.6 m = 18.4 ft
Inventory Route, Total Horizontal Clearance	5.6 m = 18.4 ft	Curb or sidewalk width - left	1.3 m = 4.3 ft	Curb or sidewalk width - right	1.3 m = 4.3 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	Allowable Stress(AS) [2]	Inventory rating	20 metric ton = 22.0 tons
0.6 km = 0.4 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	31.8 metric ton = 35.0 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	2921	Average daily truck traffi	7	%	Year	2007	Future average daily traffic	4798	Year	2027
Road classification	Minor Collector (Rural) [08]		Lanes on structure	2		Approach roadway width	5.4 m = 17.7 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	26.2 m = 86.0 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 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	Work done by	Work to be done by contract [1]		
Widening of existing bridge with deck rehabilitation or replacement. [34]	Bridge improvement cost	101000	Roadway improvement cost	51000
	Length of structure improvement	44.1 m = 144.7 ft	Total project cost	152000
	Year of improvement cost estimate	2008		
	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	Very Good [8]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		
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	56.4
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			
Inspection date	September 2008 [0908]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2008 [0908]
Other special inspection	Not needed [N]	Other special inspection date	