HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	Niagara County [063]	Royalton [64034]	IN GASPORT	43-11-58 = 43.199444	078-34-32 = -78.575556

4454080	Highway agency district: 54	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 0		GASPORT 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: 1913	Year reconstructed: 2004
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 41.5 m = 136.2 ft	Length of maximum span: 34.7 m = 113.9 ft	Deck width, out-to-out: 6.3 m = 20.7 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: 1.7 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: 0.4 km = 0.2 mi	Method to determine inventory rating: Allowable Stress(AS) [2]		Inventory rating: 39.9 metric ton = 43.9 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 56.2 metric ton = 61.8 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: MS 18 / HS 20 [5]		

Functional Details

Average Daily Traffic	3429	Average daily truck traffi	6 %	Year	2006	Future average daily traffic	4273	Year	2026

Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	5.7 m = 18.7 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	4.5 m = 14.8 ft	Navigation horizontal clearance	28.3 m = 92.9 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

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

Work done by	Work to be done by contract [1]		
Bridge improvement cost	96000	Roadway improvement cost	48000
Length of structure improvement	41.5 m = 136.2 ft	Total project cost	144000
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	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	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	
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	73.2

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
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	November 2008 [1108]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	June 1994 [0694]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	November 2008 [1108]
Other special inspection	Not needed [N]	Other special inspection date	