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]	Jefferson County [045]	Orleans [55398]	5.0 MI.NW ALEXANDRIA BAY	44-20-49 = 44.346944	075-59-00 = -75.983333

5523251	Highway agency district 73	Owner: Local Toll Authority [32]	Maintenance responsibility: Local Toll Authority [32]		
Route: 0		TIBA U.S.CUSTOMS.	Toll: On toll road [2]	Features intersected: ST.LAWRENCE RV.CH	

Design - main: Concrete [1]		Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Frame [07]	0	Other [00]	Year built: 1938	Year reconstructed: 1987
				Skew angle: 0	Structure Flared
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 31 m = 101.7 ft	Length of maximum span: 29.2 m = 95.8 ft	Deck width, out-to-out: 12.4 m = 40.7 ft	Bridge roadway width, curb-to-curb: 9.1 m = 29.9 ft
Inventory Route, Total Horizontal Clearance: 9.1 m = 29.9 ft	Curb or sidewalk width - left: 1.1 m = 3.6 ft	Curb or sidewalk width - right: 1.1 m = 3.6 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: 26.2 metric ton = 28.8 tons		
19.9 km = 12.3 mi	Method to determine operating rating: No rating analysis performed [5]		Operating rating: 71.6 metric ton = 78.8 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load		

Functional Details

Average Daily Traffic	2100	Average daily truck traffi	29 %	Year	1978	Future average daily traffic	2618	Year	1998
Road classification	Principal Arterial - Interstate (Rural) [01]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 ft				
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	1 - way traffic [1]	Bridge median					
Parallel structure designation	The left structure of parallel bridges. This structure carries traffic in the opposite direction. [L]								
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control					
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	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	878000	Roadway improvement cost	523000
Length of structure improvement	31 m = 101.7 ft	Total project cost	1401000
Year of improvement cost estimate	2009		
Border bridge - state	Unknown [CAN]	Border bridge - percent responsibility of other state	
Border bridge - structure number	0		

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 - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		

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		Sufficiency rating	55.2

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	July 2009 [0709]	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	

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Basic Information

New York [36]	Jefferson County [045]	Orleans [55398]	5.0 MI.NW ALEXANDRIA BAY	44-20-49 = 44.346944	075-58-59 = -75.983056

5523252	Highway agency district 73	Owner: Local Toll Authority [32]	Maintenance responsibility: Local Toll Authority [32]		

Route: 0		TIBA U.S.CUSTOMS.	Toll: On toll road [2]	Features intersected: ST.LAWRENCE RV.CH	

Design - main: Concrete [1]		Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Frame [07]	0	Other [00]	Year built: 1959	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 31 m = 101.7 ft	Length of maximum span: 29.2 m = 95.8 ft	Deck width, out-to-out: 16.5 m = 54.1 ft	Bridge roadway width, curb-to-curb: 14.6 m = 47.9 ft		
Inventory Route, Total Horizontal Clearance: 14.6 m = 47.9 ft	Curb or sidewalk width - left: 0.4 m = 1.3 ft	Curb or sidewalk width - right: 0.4 m = 1.3 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: 19.9 km = 12.3 mi	Method to determine inventory rating: No rating analysis performed [5]		Inventory rating: 32.6 metric ton = 35.9 tons		
	Method to determine operating rating: No rating analysis performed [5]		Operating rating: 93.4 metric ton = 102.7 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load:		

Functional Details

Average Daily Traffic	2100	Average daily truck traffi	29 %	Year	1978	Future average daily traffic	2618	Year	1998

Road classification	Principal Arterial - Interstate (Rural) [01]	Lanes on structure	3	Approach roadway width	14.6 m = 47.9 ft
Type of service on bridge	Highway [1]	Direction of traffic	1 - way traffic [1]	Bridge median	
Parallel structure designation	The right structure of parallel bridges carrying the roadway in the direction of the inventory. [R]				
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control	
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	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	1163000	Roadway improvement cost	693000
Length of structure improvement	31 m = 101.7 ft	Total project cost	1856000
Year of improvement cost estimate	2009		
Border bridge - state	Unknown [CAN]	Border bridge - percent responsibility of other state	
Border bridge - structure number	0		

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Not Applicable [N]		

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		Sufficiency rating	77

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	July 2009 [0709]	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	