

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

New York [36]	St. Lawrence County [089]	Massena [46030]	BARNHART IS & S CH ST LAW	44-58-44.79 = 44.979108	074-51-06.10 = -74.851694
5523630	Highway agency district 75	Owner Other State Agencies [21]	Maintenance responsibility Other State Agencies [21]		
Route 0	BARNHART ISLND RD	Toll On free road [3]	Features intersected S CH ST LAWRENCE		
Design - main 3	Steel continuous [4] Truss - Thru [10]	Design - approach 0	Other [00]	Kilometerpoint 0 km = 0.0 mi	Year built 1956 Year reconstructed 1997
		Skew angle 0	Structure Flared	Historical significance Historical significance is not determinable at this time. [4]	
Total length 328.6 m = 1078.1 ft	Length of maximum span 155.1 m = 508.9 ft	Deck width, out-to-out 13.4 m = 44.0 ft	Bridge roadway width, curb-to-curb 11.6 m = 38.1 ft		
Inventory Route, Total Horizontal Clearanc 11.5 m = 37.7 ft	Curb or sidewalk width - left 1.5 m = 4.9 ft	Curb or sidewalk width - right 0.6 m = 2.0 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 19.9 km = 12.3 mi	Method to determine inventory rating Allowable Stress(AS) [2]	Inventory rating 89.8 metric ton = 98.8 tons
	Method to determine operating rating Allowable Stress(AS) [2]	Operating rating 89.8 metric ton = 98.8 tons
Bridge posting Equal to or above legal loads [5]	Design Load MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	925	Average daily truck traffi	10	%	Year	2000	Future average daily traffic	1295	Year	2020
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	11.5 m = 37.7 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designatio	No parallel structure exists. [N]									
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	6.75 m = 22.1 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					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	1775000	Roadway improvement cost	1039000						
	Length of structure improvement	328.6 m = 1078.1 ft		Total project cost	2814000					
	Year of improvement cost estimate	2014								
	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	Better than present minimum criteria [7]
Condition ratings - deck	Very Good [8]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	There are no noticeable or noteworthy deficiencies which affect the condition of the channel. [9]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	81.4
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	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	August 2015 [0815]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	July 2014 [0714]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2015 [0815]
Other special inspection	Not needed [N]	Other special inspection date	