HistoricBridges.org - National Bridge Inventory Data Sheet

2016 Inventor

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]	St. Lawrence County [089]	Massena [46030]	JCT. RTE.131 & GRASSE R.	44-57-14.02 = 44.953894	074-50-20.63 = -74.839064

1037700	Highway agency district 75	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	131	RTE 131	Toll	On free road [3]	Features intersected GRASSE RIVER

Design - main	Steel [3]	Design - approach		Kilometerpoint	1972.6 km = 1223.0 mi
7	Girder and floorbeam system [03]	0	Other [00]	Year built 1956	Year reconstructed 1987
				Skew angle 0	Structure Flared
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	187.1 m = 613.9 ft	Length of maximum span	37.4 m = 122.7 ft	Deck width, out-to-out	11.6 m = 38.1 ft	Bridge roadway width, curb-to-curb	11 m = 36.1 ft
Inventory Route, Total Horizontal Clearanc	10.9 m = 35.8 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 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	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	33.6 metric ton = 37.0 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	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	1348	Average daily truck traffi	10 %	Year	2008	Future average daily traffic	1887	Year	2028

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	10.9 m = 35.8 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	99.99 m = 328.1 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

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

Work done by	Work to be done by contract [1]		
Bridge improvement cost	3926000	Roadway improvement cost	2299000
Length of structure improvement	187.1 m = 613.9 ft	Total project cost	6225000
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	Equal to present minimum criteria [6]
Condition ratings - superstructur	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Equal to present minimum criteria [6]
Condition ratings - deck	Fair [5]		
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 minimum criteria [6]	Status evaluation	
Pier or abutment protection		Sufficiency rating	98.8
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	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		
Inspection date	November 2015 [1115]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	May 2012 [0512]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	November 2015 [1115]
Other special inspection	Not needed [N]	Other special inspection date	