HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Rensselaer County [083]	Nassau [49517]	0.7 MI E JCT RTS 20 & 66	42-29-50 = 42.497222	073-31-48 = -73.530000

1016020	Highway agency district: 14	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 20		RTE 20	Toll: On free road [3]	Features intersected: KINDERHOOK CREEK	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 2773.9 km = 1719.8 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1927	Year reconstructed: 1985
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 31.6 m = 103.7 ft	Length of maximum span: 30.4 m = 99.7 ft	Deck width, out-to-out: 9.8 m = 32.2 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: 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	43.5 metric ton = 47.9 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	72.6 metric ton = 79.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load		

Functional Details

Average Daily Traffic	5000	Average daily truck traffi	14 %	Year	2011	Future average daily traffic	7000	Year	2031

Road classification	Principal Arterial - Other (Rural) [02]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 ft
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]	Bridge median	Closed median (no barriers) [2]
Parallel structure designation	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	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

Bridge deck replacement with only incidental widening. [37]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	2868000	Roadway improvement cost	1680000
Length of structure improvement	31.6 m = 103.7 ft	Total project cost	4548000
Year of improvement cost estimate	2011		
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	Fair [5]	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	Good [7]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	
Pier or abutment protection		Sufficiency rating	63.9

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	
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	

Inspection date	March 2011 [0311]	Designated inspection frequency	24	Months	
Underwater inspection	Not needed [N]			Underwater inspection date	
Fracture critical inspection	Every two years [Y24]			Fracture critical inspection date	March 2011 [0311]
Other special inspection	Not needed [N]			Other special inspection date	