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]	Steuben County [101]	Erwin [24647]	1.8 MI NW OF PAINTED POST	42-10-32 = 42.175556	077-07-16 = -77.121111

1048170	Highway agency district: 64	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 415		RTE 415	Toll: On free road [3]	Features intersected: MEADS CREEK	
Design - main: Steel [3]	Design - approach:	Kilometerpoint: 467.1 km = 289.6 mi			
1: Truss - Thru [10]	0: Other [00]	Year built: 1929	Year reconstructed: N/A [0000]		
		Skew angle: 27	Structure Flared:		
		Historical significance: Bridge is not eligible for the NRHP. [5]			

Total length: 55.7 m = 182.8 ft	Length of maximum span: 53.3 m = 174.9 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:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 0.8 km = 0.5 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 44.5 metric ton = 49.0 tons			
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 73.5 metric ton = 80.9 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: M 18 / H 20 [4]			

Functional Details

Average Daily Traffic	5235	Average daily truck traffi	6 %	Year	2009	Future average daily traffic	6108
Year	2029						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	12.8 m = 42.0 ft		
Type of service on bridge	Highway [1]	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 vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.39 m = 14.4 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	1238000	Roadway improvement cost	737000
Length of structure improvement	55.7 m = 182.8 ft	Total project cost	1975000
Year of improvement cost estimate	2009		
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 - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Fair [5]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
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	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	59.9

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
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 2009 [1109]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	November 2009 [1109]
Other special inspection	Not needed [N]	Other special inspection date	