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]	Cortland County [023]	Homer [35287]	4.5 MI NE OF CORTLAND	42-38-45 = 42.645833	076-07-02 = -76.117222

3312310	Highway agency district: 32	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		CR114A E.RIV.CROS	Toll: On free road [3]	Features intersected: E BR TIOUGHNIOGA	
Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1913	Year reconstructed: 1972
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 27.7 m = 90.9 ft	Length of maximum span: 27.7 m = 90.9 ft	Deck width, out-to-out: 5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb: 5 m = 16.4 ft		
Inventory Route, Total Horizontal Clearance: 5 m = 16.4 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft			
Deck structure type: Open Grating [3]					
Type of wearing surface: Other [9]					
Deck protection:					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 0.6 km = 0.4 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 46.3 metric ton = 50.9 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 64.4 metric ton = 70.8 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load:			

Functional Details

Average Daily Traffic	168	Average daily truck traffi	6 %	Year	2008	Future average daily traffic	211	Year	2028
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	5.1 m = 16.7 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	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	379000	Roadway improvement cost	226000
Length of structure improvement	27.7 m = 90.9 ft	Total project cost	605000
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		

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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	54.7

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
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	September 2008 [0908]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2008 [0908]
Other special inspection	Not needed [N]	Other special inspection date	