HistoricBridges.org - National Bridge Inventory Data Sheet

2013 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

West Virginia [54]	Braxton County [007]	Unknown [00000]	0.03 MI S OF CO 40	03-83-44.39 = 4.395664	080-44-03.26 = -80.734239

00000000004A100 | Highway agency district: 7 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 4015 | COUNTY ROUTE 40/15 | Toll: On free road [3] | Features intersected: LITTLE BIRCH RIVER

Design - main	Aluminum, Wrought Iron or Cast Iron [9]	Design - approach	
1	Truss - Thru [10]	0	Other [00]

Kilometerpoint: 4.8 km = 3.0 mi

Year built: 1905 | Year reconstructed: 1950

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is not eligible for the NRHP. [5]

Total length: 20.2 m = 66.3 ft | Length of maximum span: 19.5 m = 64.0 ft | Deck width, out-to-out: 3.7 m = 12.1 ft | Bridge roadway width, curb-to-curb: 3.3 m = 10.8 ft

Inventory Route, Total Horizontal Clearance: 3.3 m = 10.8 ft | Curb or sidewalk width - left: 0.2 m = 0.7 ft | Curb or sidewalk width - right: 0.2 m = 0.7 ft

Deck structure type: Wood or Timber [8]

Type of wearing surface:

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0 km = 0.0 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 0 metric ton = 0.0 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 0 metric ton = 0.0 tons

Bridge posting: | Design Load:

Functional Details

Average Daily Traffic	0	Average daily truck traffi	0 %	Year	2013	Future average daily traffic	0	Year	2033

Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	4.6 m = 15.1 ft
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	77000	Roadway improvement cost	75000
Length of structure improvement	20.1 m = 65.9 ft	Total project cost	224000
Year of improvement cost estimate	2012		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	
Condition ratings - deck	Serious [3]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	17

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	August 2012 [0812]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2012 [0812]
Other special inspection	Not needed [N]	Other special inspection date	