HistoricBridges.org - National Bridge Inventory Data Sheet

1992 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]	Marshall County [051]	Unknown [00000]	0.04 MI SOUTH JCT CR 16	39-58-30 = 39.975000	080-37-48 = -80.630000

00000000026A019	Highway agency district	6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route			COUNTY ROUTE 5	Toll	On free road [3]	Features intersected	BID WHEELING CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint			
1	Truss - Thru [10]	0	Other [00]	Year built	1882	Year reconstructed	N/A [0000]
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	62.8 m = 206.0 ft	Length of maximum span	61.6 m = 202.1 ft	Deck width, out-to-out	5.5 m = 18.0 ft	Bridge roadway width, curb-to-curb	5.4 m = 17.7 ft
Inventory Route, Total Horizontal Clearance	5.3 m = 17.4 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Wood or Timber [8]
Type of wearing surface	Wood or Timber [7]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	4.5 metric ton = 5.0 tons	
2.1 km = 1.3 mi	Method to determine operating rating		Operating rating	7.2 metric ton = 7.9 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	450	Average daily truck traffi	6 %	Year	1990	Future average daily traffic	671
Year	2010						
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	6.1 m = 20.0 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	5.46 m = 17.9 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

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	282000	Roadway improvement cost	242000
Length of structure improvement	72.8 m = 238.9 ft	Total project cost	524000
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for other load-capacity restriction [R]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Serious [3]		

Scour	Scour calculation/evaluation has not been made. [6]
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	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	2

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	July 1990 [0790]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 1990 [0790]
Other special inspection	Unknown [N00]	Other special inspection date	