HistoricBridges.org - National Bridge Inventory Data Sheet

2011 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]	Mason County [053]	Unknown [00000]	0.39 MI E OF CR 58/4	38-42-30 = 38.708333	081-56-36 = -81.943333

00000000027A076	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 5800		CR 58	Toll: On free road [3]	Features intersected: THIRTEENMILE CREEK	

Design - main: 1	Steel [3]	Truss - Thru [10]	Design - approach: 0	Other [00]	
Kilometerpoint: 167.3 km = 103.7 mi					
Year built: 1904	Year reconstructed: N/A [0000]				
Skew angle: 0	Structure Flared:				
Historical significance: Bridge is not eligible for the NRHP. [5]					

Total length: 37.8 m = 124.0 ft	Length of maximum span: 36.3 m = 119.1 ft	Deck width, out-to-out: 4.3 m = 14.1 ft	Bridge roadway width, curb-to-curb: 3.7 m = 12.1 ft				
Inventory Route, Total Horizontal Clearance: 3.7 m = 12.1 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: Wood or Timber [7]							
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: 7.2 metric ton = 7.9 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 11.7 metric ton = 12.9 tons			
	Bridge posting:	Design Load:			

Functional Details

Average Daily Traffic	20	Average daily truck traffi	0 %	Year	2007	Future average daily traffic	30
Year	2027						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	3 m = 9.8 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	4.19 m = 13.7 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	850000	Roadway improvement cost	50000
Length of structure improvement	45.7 m = 149.9 ft	Total project cost	900000
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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructur	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	19.9

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	
Traffic safety features - approach guardrail ends	

Inspection date	June 2010 [0610]	Designated inspection frequency	12	Months	
Underwater inspection	Unknown [N00]			Underwater inspection date	
Fracture critical inspection	Every year [Y12]			Fracture critical inspection date	June 2010 [0610]
Other special inspection	Unknown [N00]			Other special inspection date	