HistoricBridges.org - National Bridge Inventory Data Sheet

2007 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]	Cabell County [011]	Unknown [00000]	0.04 MI EAST OF CR 17/5	38-25-24 = 38.423333	082-14-12 = -82.236667

00000000006A043	Highway agency district: 2	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 1700		CR 17	Toll: On free road [3]	Features intersected: MUD RIVER	
Design - main: Steel [3]	Design - approach: Steel [3]	Kilometerpoint: 804.5 km = 498.8 mi			
1	Truss - Thru [10]	1	Girder and floorbeam system [03]	Year built: 1888	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 47.9 m = 157.2 ft	Length of maximum span: 33.2 m = 108.9 ft	Deck width, out-to-out: 4 m = 13.1 ft	Bridge roadway width, curb-to-curb: 4 m = 13.1 ft				
Inventory Route, Total Horizontal Clearance: 4 m = 13.1 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: 2.4 km = 1.5 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 18 metric ton = 19.8 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 27 metric ton = 29.7 tons		
	Bridge posting: Equal to or above legal loads [5]	Design Load:		

Functional Details

Average Daily Traffic	1500	Average daily truck traffi	4 %	Year	2001	Future average daily traffic	1905	Year	2021
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	1	Approach roadway width	7.6 m = 24.9 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	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	4.16 m = 13.6 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	1500000	Roadway improvement cost	270000
Length of structure improvement	53.3 m = 174.9 ft	Total project cost	2200000
Year of improvement cost estimate	2003		
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	Critical [2]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of replacement [2]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	0

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	
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	

Inspection date	March 2006 [0306]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2006 [0306]
Other special inspection	Unknown [N00]	Other special inspection date	