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]	Wood County [107]	Parkersburg [62140]	0.34 MILE NORTH OF WV 95	39-15-36 = 39.260000	081-33-24 = -81.556667

00000000054A037	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 1400		WEST VIRGINIA 14	Toll: On free road [3]	Features intersected: LITTLE KANAWHA RIVER,CSX	

Design - main: Steel [3]	Design - approach: Steel continuous [4]	Kilometerpoint: 2127.1 km = 1318.8 mi			
1	Truss - Thru [10]	13	Stringer/Multi-beam or girder [02]	Year built: 1935	Year reconstructed: 1998
Skew angle: 0	Structure Flared:				
Historical significance: Bridge is not eligible for the NRHP. [5]					

Total length: 275.8 m = 904.9 ft	Length of maximum span: 106.7 m = 350.1 ft	Deck width, out-to-out: 12.5 m = 41.0 ft	Bridge roadway width, curb-to-curb: 12.2 m = 40.0 ft				
Inventory Route, Total Horizontal Clearance: 12.1 m = 39.7 ft	Curb or sidewalk width - left: 1.8 m = 5.9 ft	Curb or sidewalk width - right: 1.8 m = 5.9 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]							
Deck protection: Epoxy Coated Reinforcing [1]							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 0.3 km = 0.2 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 27 metric ton = 29.7 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 44.1 metric ton = 48.5 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: M 18 / H 20 [4]			

Functional Details

Average Daily Traffic	25500	Average daily truck traffi	5 %	Year	2007	Future average daily traffic	43100	Year	2027

Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	4	Approach roadway width	17.1 m = 56.1 ft
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]	Bridge median	
Parallel structure designation	No parallel structure exists. [N]				
Type of service under bridge	Highway-waterway-railroad [	Lanes under structure	2	Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc	11.8 m = 38.7 ft	Navigation horizontal clearance	102.7 m = 337.0 ft		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.43 m = 17.8 ft		
Minimum lateral underclearance reference feature	Highway beneath structure [H]				
Minimum lateral underclearance on right	1.2 m = 3.9 ft	Minimum lateral underclearance on left	0 = N/A		
Minimum Vertical Underclearance	4.26 m = 14.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]		
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]				

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	30000000	Roadway improvement cost	10000000
Length of structure improvement	275.8 m = 904.9 ft	Total project cost	40000000
Year of improvement cost estimate	2007		
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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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 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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	49.6

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	July 2010 [0710]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	July 2010 [0710]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	July 2009 [0709]
Other special inspection	Unknown [N00]	Other special inspection date	