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]	Ohio County [069]	Wheeling [86452]	0.08 MI S JCT US 40	40-02-36 = 40.043333	080-39-30 = -80.658333

00000000035A083	Highway agency district	6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	8800		WV 88	Toll	On free road [3]	Features intersected	BIG WHEELING CREEK

Design - main	Steel continuous [4]	Design - approach		Kilometerpoint	457 km = 283.3 mi		
2	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1948	Year reconstructed	N/A [0000]
				Skew angle	50	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	69.2 m = 227.0 ft	Length of maximum span	33.5 m = 109.9 ft	Deck width, out-to-out	16.5 m = 54.1 ft	Bridge roadway width, curb-to-curb	12 m = 39.4 ft
Inventory Route, Total Horizontal Clearance	12 m = 39.4 ft	Curb or sidewalk width - left	1.9 m = 6.2 ft	Curb or sidewalk width - right	1.9 m = 6.2 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	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	40.5 metric ton = 44.6 tons	
1.4 km = 0.9 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	67.5 metric ton = 74.3 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 13.5 / HS 15 [3]	

Functional Details

Average Daily Traffic	8400	Average daily truck traffi	4 %	Year	2008	Future average daily traffic	10248
Year	2028						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	4	Approach roadway width	13.4 m = 44.0 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	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

Bridge deck replacement with only incidental widening. [37]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	800000	Roadway improvement cost	20000
Length of structure improvement	69.2 m = 227.0 ft	Total project cost	820000
Year of improvement cost estimate	2011		
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	Equal to present minimum criteria [6]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

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	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	70.8

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	January 2011 [0111]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Unknown [N00]	Other special inspection date	