

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

West Virginia [54] Ohio County [069] Wheeling [86452] 0.22 MI WEST JCT WV 2 SB 40-04-18 = 40.071667 080-43-36 = - 80.726667

00000000035A090 Highway agency district 6 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 25100 WV ROUTE 251 Toll On free road [3] Features intersected OHIO RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 9.7 km = 6.0 mi

1 Suspension [13] 0 Other [00] Year built 1849 Year reconstructed 1999

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 398.4 m = 1307.2 ft Length of maximum span 289.3 m = 949.2 ft Deck width, out-to-out 6.1 m = 20.0 ft Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft

Inventory Route, Total Horizontal Clearance 7.9 m = 25.9 ft Curb or sidewalk width - left 1.3 m = 4.3 ft Curb or sidewalk width - right 1.3 m = 4.3 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 0.2 km = 0.1 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 1.8 metric ton = 2.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 2.7 metric ton = 3.0 tons

Bridge posting Design Load

Functional Details

Average Daily Traffic	5700	Average daily truck traffi	1	%	Year	2008	Future average daily traffic	6954	Year	2028
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	6.1 m = 20.0 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 control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	22.5 m = 73.8 ft			Navigation horizontal clearance	30.1 m = 98.8 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	6.93 m = 22.7 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	Work done by	Work to be done by contract [1]								
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	5740000	Roadway improvement cost	574000						
	Length of structure improvement	398.4 m = 1307.2 ft		Total project cost	6315000					
	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 corrective action [3]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	13.4
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	October 2009 [1009]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2007 [0907]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	October 2009 [1009]
Other special inspection	Every year [Y12]	Other special inspection date	October 2009 [1009]