

The National Bridge Inventory contains data submitted by state transportation 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

Pennsylvania [42] Beaver County [007] Shippingport [70376] SHIPPINGPORT BRIDGE 40-37-32 = 40.625556 080-25-50 = - 80.430556
 3593 Highway agency district 11 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]
 Route 168 SHIPPINGPORT-HI RD Toll On free road [3] Features intersected N/S RR ,SERVICE RD,OHIOR
 Design - main Steel continuous [4] Design - approach Steel continuous [4] Kilometerpoint 2091.2 km = 1296.5 mi
 3 Truss - Thru [10] 3 Girder and floorbeam system [03] Year built 1961 Year reconstructed 2010
 Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]
 Total length 492.6 m = 1616.2 ft Length of maximum span 189 m = 620.1 ft Deck width, out-to-out 11.1 m = 36.4 ft Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft
 Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 ft Curb or sidewalk width - left 0.6 m = 2.0 ft Curb or sidewalk width - right 0.6 m = 2.0 ft
 Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Latex Concrete or similar additive [3]
 Deck protection
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 3.2 km = 2.0 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 24 metric ton = 26.4 tons
 Method to determine operating rating Load Factor(LF) [1] Operating rating 41 metric ton = 45.1 tons
 Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	5262	Average daily truck traffi	5	%	Year	2013	Future average daily traffic	6261	Year	2032
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	11.3 m = 37.1 ft			
Type of service on bridge	Highway [1]		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	197 m = 646.4 ft			Navigation horizontal clearance	2034 m = 6673.6 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	6 m = 19.7 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	21.3 m = 69.9 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	8 m = 26.2 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Superior to present desirable criteria [9]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	0	Roadway improvement cost	1000						
	Length of structure improvement	500 m = 1640.5 ft			Total project cost	5000				
	Year of improvement cost estimate									
	Border bridge - state					Border bridge - percent responsibility of other state				
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Very Good [8]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="Navigation protection not required [1]"/>	Sufficiency rating	<input type="text" value="45.4"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="February 2011 [0211]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y60]"/>	Underwater inspection date	<input type="text" value="September 2012 [0912]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="February 2011 [0211]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>