

HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

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

Indiana [18]	St. Joseph County [141]	South Bend [71000]	2.5 km N of SR 23	41-41-18 = 41.688333	086-15-06 = - 86.251667
11046	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 933	SR 933	Toll On free road [3]	Features intersected	ST. JOSEPH RIVER	
Design - main 3	Concrete [1] Arch - Deck [11]	Design - approach 0	Other [00]	Kilometerpoint 1884.1 km = 1168.1 mi	Year built 1914 Year reconstructed 2006
				Skew angle 0	Structure Flared
				Historical significance	Bridge is possibly eligible for the NRHP. [3]
Total length	98.5 m = 323.2 ft	Length of maximum span	36.6 m = 120.1 ft	Deck width, out-to-out	22 m = 72.2 ft
Inventory Route, Total Horizontal Clearance	16.8 m = 55.1 ft	Curb or sidewalk width - left	1.6 m = 5.2 ft	Curb or sidewalk width - right	1 m = 3.3 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 1.6 km = 1.0 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	32.4 metric ton = 35.6 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	40.5 metric ton = 44.6 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	<input type="text" value="30130"/>	Average daily truck traffi	<input type="text" value="5"/>	%	Year	<input type="text" value="2004"/>	Future average daily traffic	<input type="text" value="42453"/>	Year	<input type="text" value="2026"/>
Road classification	<input type="text" value="Other Principal Arterial (Urban) [14]"/>		Lanes on structure	<input type="text" value="5"/>		Approach roadway width	<input type="text" value="16.8 m = 55.1 ft"/>			
Type of service on bridge	<input type="text" value="Highway-pedestrian [5]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text"/>			
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>		Navigation horizontal clearance	<input type="text" value="0 = N/A"/>						
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>					Minimum vertical clearance over bridge roadway	<input type="text" value="99.99 m = 328.1 ft"/>			
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>			
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>		Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>						
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

Total project cost

Year of improvement cost estimate

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 - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		
Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]		
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	55
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	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	November 2009 [1109]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y36]	Underwater inspection date	October 2009 [1009]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	