

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Lake County [089]	Hammond [31000]	3.5 km N I-80	41-36-24 = 41.606667	087-28-54 = - 87.481667
27660	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 152		SR 152	Toll On free road [3]	Features intersected CONRAIL & IHB RR	
Design - main	Steel [3]	Design - approach	Prestressed concrete continuous [6]	Kilometerpoint	350.8 km = 217.5 mi
9	Truss - Thru [10]	8	Stringer/Multi-beam or girder [02]	Year built	1935
				Year reconstructed	1984
				Skew angle	19
				Structure Flared	
				Historical significance	Bridge is possibly eligible for the NRHP. [3]
Total length	659.1 m = 2162.5 ft	Length of maximum span	75 m = 246.1 ft	Deck width, out-to-out	12.6 m = 41.3 ft
Inventory Route, Total Horizontal Clearance	12.2 m = 40.0 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	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	29.7 metric ton = 32.7 tons
1.1 km = 0.7 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	50.4 metric ton = 55.4 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	20540	Average daily truck traffi	7	%	Year	2010	Future average daily traffic	31754	Year	2032
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	2		Approach roadway width	12.2 m = 40.0 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	Railroad [2]		Lanes under structure	0		Navigation control	Not applicable, no waterway. [N]			
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	4.5 m = 14.8 ft			
Minimum lateral underclearance reference feature	Railroad beneath structure [R]									
Minimum lateral underclearance on right	2.5 m = 8.2 ft					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	6.66 m = 21.9 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
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	Work done by	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	12000000	Roadway improvement cost	8000000
	Length of structure improvement	1066.8 m = 3500.2 ft	Total project cost	20000000
	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	Posted for other load-capacity restriction [R]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Fair [5]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	34.6
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	December 2011 [1211]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	December 2011 [1211]
Other special inspection	Every two years [Y24]	Other special inspection date	December 2011 [1211]