HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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

Indiana [18]	Putnam County [133]	Unknown [00000]	1.2 km N of CR 1100N	39-49-50 = 39.830556	086-41-12 = -86.686667

6700032	Highway agency district: 1	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 91		ROAD 900 EAST	Toll: On free road [3]	Features intersected: BIG WALNUT Cr	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1915	Year reconstructed: #Num!
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is possibly eligible for the NRHP. [3]	

Total length: 44.1 m = 144.7 ft	Length of maximum span: 43.2 m = 141.7 ft	Deck width, out-to-out: 4.8 m = 15.7 ft	Bridge roadway width, curb-to-curb: 4.7 m = 15.4 ft		
Inventory Route, Total Horizontal Clearance: 4.8 m = 15.7 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft			

Deck structure type	Corrugated Steel [6]
Type of wearing surface	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 0.3 km = 0.2 mi	Method to determine inventory rating: No rating analysis performed [5]		Inventory rating: 16.2 metric ton = 17.8 tons		
	Method to determine operating rating: No rating analysis performed [5]		Operating rating: 27 metric ton = 29.7 tons		
	Bridge posting: 00.1 - 09.9 % below [4]		Design Load:		

Functional Details

Average Daily Traffic	150	Average daily truck traffi	3 %	Year	2007	Future average daily traffic	275
Year	2027						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	5.7 m = 18.7 ft		
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	4.26 m = 14.0 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	0 = N/A	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 rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	500000	Roadway improvement cost	500000
Length of structure improvement	44.1 m = 144.7 ft	Total project cost	1000000
Year of improvement cost estimate	2007		
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 corrrective action [3]
Condition ratings - superstructur	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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
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	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	17.4
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	March 2007 [0307]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2007 [0307]
Other special inspection	Not needed [N]	Other special inspection date	