HistoricBridges.org - National Bridge Inventory Data Sheet

2016 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]	Clay County [021]	Unknown [00000]	04.84 E SR 59	39-23-02.80 = 39.384111	087-01-14.30 = -87.020639

17050 | Highway agency district: 1 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 46 | SR 46 | Toll: On free road [3] | Features intersected: EEL RIVER

Design - main	Steel [3]	Design - approach		Kilometerpoint	1890.6 km = 1172.2 mi
2	Truss - Thru [10]	0	Other [00]	Year built: 1934	Year reconstructed: 1977
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is on the NRHP. [1]

Total length	122.6 m = 402.3 ft	Length of maximum span	60.4 m = 198.2 ft	Deck width, out-to-out	7.6 m = 24.9 ft	Bridge roadway width, curb-to-curb	7.3 m = 24.0 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft	Curb or sidewalk width - left	0.2 m = 0.7 ft	Curb or sidewalk width - right	0.2 m = 0.7 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Latex Concrete or similar additive [3]
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	21.8 metric ton = 24.0 tons
1.3 km = 0.8 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	36.3 metric ton = 39.9 tons
	Bridge posting	00.1 - 09.9 % below [4]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	2390	Average daily truck traffi	3 %	Year	2010	Future average daily traffic	3310
Year	2032						
Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	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		Minimum vertical clearance over bridge roadway	4.47 m = 14.7 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	2404000	Roadway improvement cost	0
Length of structure improvement	132.3 m = 434.1 ft	Total project cost	2404000
Year of improvement cost estimate	2013		
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 - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	12.1

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	May 2015 [0515]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	May 2015 [0515]
Other special inspection	Not needed [N]	Other special inspection date	