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]	Fountain County [045]	Unknown [00000]	00.30 W of US 41	40-08-33.07 = 40.142519	087-14-59.10 = -87.249750

2300103 | Highway agency district: 1 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 40 | | CR 100N | Toll: On free road [3] | Features intersected: COAL Creek

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built: 1924	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length: 39.2 m = 128.6 ft | Length of maximum span: 39 m = 128.0 ft | Deck width, out-to-out: 5.7 m = 18.7 ft | Bridge roadway width, curb-to-curb: 5.4 m = 17.7 ft

Inventory Route, Total Horizontal Clearance: 5.4 m = 17.7 ft | Curb or sidewalk width - left: 0 m = 0.0 ft | Curb or sidewalk width - right: 0 m = 0.0 ft

Deck structure type: Wood or Timber [8]

Type of wearing surface: Wood or Timber [7]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0.6 km = 0.4 mi

Method to determine inventory rating: Allowable Stress(AS) [2] | Inventory rating: 6.3 metric ton = 6.9 tons

Method to determine operating rating: Allowable Stress(AS) [2] | Operating rating: 8.2 metric ton = 9.0 tons

Bridge posting: 20.0 - 29.9 % below [2] | Design Load:

Functional Details

Average Daily Traffic	117	Average daily truck traffi	6 %	Year	2012	Future average daily traffic	158	Year	2032

Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	4.9 m = 16.1 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		Minimum vertical clearance over bridge roadway	4.72 m = 15.5 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	650000	Roadway improvement cost	50000
Length of structure improvement	39.3 m = 128.9 ft	Total project cost	700000
Year of improvement cost estimate	2010		
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	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		

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	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	35.6

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	August 2015 [0815]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	July 2015 [0715]
Other special inspection	Not needed [N]	Other special inspection date	