HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Decatur County [031]	Unknown [00000]	00.40 W of CR 1050W	39-18-20 = 39.305556	085-41-06 = -85.685000

1600107 | Highway agency district: 5 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 50 | CR 200S | Toll: On free road [3] | Features intersected: Clifty Creek

Design - main: Steel continuous [4] | 2 | Girder and floorbeam system [03]

Design - approach: 0 | Other [00]

Kilometerpoint: 0 km = 0.0 mi

Year built: 1912 | Year reconstructed: #Num!

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is eligible for the NRHP. [2]

Total length: 46.1 m = 151.3 ft | Length of maximum span: 22 m = 72.2 ft | Deck width, out-to-out: 5.4 m = 17.7 ft | Bridge roadway width, curb-to-curb: 4.8 m = 15.7 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: Open Grating [3]

Type of wearing surface: Other [9]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 1 km = 0.6 mi

Method to determine inventory rating: Allowable Stress(AS) [2] | Inventory rating: 24.3 metric ton = 26.7 tons

Method to determine operating rating: Allowable Stress(AS) [2] | Operating rating: 34.2 metric ton = 37.6 tons

Bridge posting: 00.1 - 09.9 % below [4] | Design Load:

Functional Details

Average Daily Traffic: 134
Average daily truck traffi: 6 %
Year: 2005
Future average daily traffic: 196
Year: 2031

Road classification: Minor Collector (Rural) [08]
Lanes on structure: 1
Approach roadway width: 5.2 m = 17.1 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: 99.99 m = 328.1 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:
Other structural work, including hydraulic replacements. [38]

Work done by: Work to be done by contract [1]

Bridge improvement cost: 687000
Roadway improvement cost: 67000

Length of structure improvement: 68.6 m = 225.1 ft
Total project cost: 1224000

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 load [P]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Good [7]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Very Good [8]		

Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	62.6

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	July 2011 [0711]	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 2007 [1207]
Other special inspection	Not needed [N]	Other special inspection date	