

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]	Decatur County [031]	Unknown [00000]	00.00 W of CR 1050W	39-19-11 = 39.319722	085-41-29 = - 85.691389
1600101	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 52		CR 100S	Toll On free road [3]	Features intersected Clifty Creek	
Design - main	Masonry [8]	Design - approach		Kilometerpoint 0 km = 0.0 mi	
4	Arch - Deck [11]	0	Other [00]	Year built 1890	Year reconstructed #Num!
				Skew angle 0	Structure Flared
				Historical significance Bridge is eligible for the NRHP. [2]	
Total length 36 m = 118.1 ft	Length of maximum span 8.5 m = 27.9 ft	Deck width, out-to-out 6.3 m = 20.7 ft	Bridge roadway width, curb-to-curb 5.1 m = 16.7 ft		
Inventory Route, Total Horizontal Clearance 5.1 m = 16.7 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Other [9]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 1 km = 0.6 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	22.5 metric ton = 24.8 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	27.9 metric ton = 30.7 tons
Bridge posting	Equal to or above legal loads [5]	Design Load		

Functional Details

Average Daily Traffic	108	Average daily truck traffi	6	%	Year	2005	Future average daily traffic	159	Year	2031
Road classification	Minor Collector (Rural) [08]		Lanes on structure	1		Approach roadway width	5.5 m = 18.0 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	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	692000	Roadway improvement cost	67000
	Length of structure improvement	44.8 m = 147.0 ft	Total project cost	1197000
	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	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	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 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	Better than present minimum criteria [7]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	66.8
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 2011 [0811]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	