

HistoricBridges.org - National Bridge Inventory Data Sheet

2019 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]	Clay County [021]	Unknown [00000]	00.70 E of 250 W	39-21-29.81 = 39.358281	087-08-32.14 = -87.142261
1100105	Highway agency district: 1	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 38		CR 200S	Toll On free road [3]	Features intersected BIRCH CREEK	
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1910
				Year reconstructed	N/A [0000]
				Skew angle	20
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]
Total length	27.6 m = 90.6 ft	Length of maximum span	27.2 m = 89.2 ft	Deck width, out-to-out	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	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	0 metric ton = 0.0 tons
0.5 km = 0.3 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	0 metric ton = 0.0 tons
	Bridge posting		Design Load	

Functional Details

Average Daily Traffic	187	Average daily truck traffi	3	%	Year	2016	Future average daily traffic	235	Year	2036
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	3.4 m = 11.2 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	4.42 m = 14.5 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	Work done by	Work to be done by contract [1]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	557000	Roadway improvement cost	167000
	Length of structure improvement	36.9 m = 121.1 ft	Total project cost	977000
	Year of improvement cost estimate	2016		
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Poor [4]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	24.9
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	September 2017 [0917]	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	