

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

Illinois [17]	Madison County [119]	Unknown [00500]	N BETHALTO		38-55-26.21 = 3	090-03-24.71 = -9
60307800000000	Highway agency district: 8	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route 0		MS-901	Toll	On free road [3]	Features intersected	ROCKY BRANCH CREEK
Design - main	Concrete [1]	Design - approach		Kilometerpoint	119.1 km = 73.8 mi	
1	Other [00]	0	Other [00]	Year built	1928	Year reconstructed
				Skew angle	15	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	12.2 m = 40.0 ft	Length of maximum span	11.3 m = 37.1 ft	Deck width, out-to-out	5.9 m = 19.4 ft	Bridge roadway width, curb-to-curb
Inventory Route, Total Horizontal Clearance	4.9 m = 16.1 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						
Deck protection						
Type of membrane/wearing surface						

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	19.4 metric ton = 21.3 tons
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	32.4 metric ton = 35.6 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	

Functional Details

Average Daily Traffic	775	Average daily truck traffi	9	%	Year	2016	Future average daily traffic	1431	Year	2032
Road classification	Local (Urban) [19]		Lanes on structure	1		Approach roadway width	6.7 m = 22.0 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	0 m = 0.0 ft					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	37000	Roadway improvement cost	4000
	Length of structure improvement	12.2 m = 40.0 ft	Total project cost	41000
	Year of improvement cost estimate			
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	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 replacement [2]
Condition ratings - deck	Poor [4]		
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	35.8
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	December 2018 [1218]	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	