

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

Missouri [29]	Ste. Genevieve County [186]	St. Mary [65034]	S 1862 T 37 N R 10 E		37-52-25.78 = 3	089-56-27.15 = -8
23059	Highway agency district: 7	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0		2ND ST. ST MARYS	Toll	On free road [3]	Features intersected	LAUREN CR
Design - main	Steel [3]	Design - approach		Kilometerpoint	32.2 km = 20.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built	1920	Year reconstructed N/A [0000]
				Skew angle	0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	16.8 m = 55.1 ft	Length of maximum span	15.8 m = 51.8 ft	Deck width, out-to-out	4.3 m = 14.1 ft	Bridge roadway width, curb-to-curb 4.2 m = 13.8 ft
Inventory Route, Total Horizontal Clearance	4.2 m = 13.8 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	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	3.6 metric ton = 4.0 tons
19.9 km = 12.3 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	6.3 metric ton = 6.9 tons
	Bridge posting		Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	10	Average daily truck traffi	20	%	Year	2018	Future average daily traffic	14	Year	2038
Road classification	Local (Urban) [19]			Lanes on structure	1		Approach roadway width	6.1 m = 20.0 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	175000	Roadway improvement cost	17000
	Length of structure improvement	2.4 m = 7.9 ft	Total project cost	262000
	Year of improvement cost estimate	2018		
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Serious [3]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Excellent [9]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="23.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="February 2018 [0218]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="February 2018 [0218]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>