

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]	Cape Girardeau County [031]	Liberty [42014]	S 2271 T 30 N R 11 E	37-13-57.60 = 3	089-48-07.22 = -8
6352	Highway agency district: 7	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route #Num!	RT A E	Toll On free road [3]	Features intersected WHITEWATER RVR		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 366.8 km = 227.4 mi	Year built 1954	Year reconstructed N/A [0000]	
1	Truss - Thru [10]	2	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 67.4 m = 221.1 ft	Length of maximum span 36.7 m = 120.4 ft	Deck width, out-to-out 7.4 m = 24.3 ft	Bridge roadway width, curb-to-curb 6.7 m = 22.0 ft		
Inventory Route, Total Horizontal Clearance 6.7 m = 22.0 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 Bituminous [6]					
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 4 km = 2.5 mi	Method to determine inventory rating Load Factor(LF) [1]	Inventory rating 15.3 metric ton = 16.8 tons
	Method to determine operating rating Load Factor(LF) [1]	Operating rating 26.1 metric ton = 28.7 tons
Bridge posting Equal to or above legal loads [5]	Design Load M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	656	Average daily truck traffi	11	%	Year	2017	Future average daily traffic	1016	Year	2037
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	6.1 m = 20.0 ft					
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]		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	890000	Roadway improvement cost	89000						
	Length of structure improvement	7.8 m = 25.6 ft		Total project cost	1336000					
	Year of improvement cost estimate	2019								
	Border bridge - state		Border bridge - percent responsibility of other state							
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Poor [4]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
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="Equal to present minimum criteria [6]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="46"/>
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"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="October 2017 [1017]"/>	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="October 2017 [1017]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>