

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]	Camden County [029]	Russell [63668]	S 4 T 38 N R 18 W	38-03-55.21 = 38.065336	092-54-33.34 = -92.909261
8681	Highway agency district: 4	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route #Num!	RT J S	Toll On free road [3]	Features intersected NIANGUA RVR		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 591 km = 366.4 mi	Year built 1932	Year reconstructed N/A [0000]	
3	Suspension [13]	1	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
		Historical significance	Bridge is eligible for the NRHP. [2]		
Total length 159.7 m = 524.0 ft	Length of maximum span 68.6 m = 225.1 ft	Deck width, out-to-out 7.6 m = 24.9 ft	Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft		
Inventory Route, Total Horizontal Clearance 6.1 m = 20.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Open Grating [3]				
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 5.5 km = 3.4 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	11.7 metric ton = 12.9 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	18 metric ton = 19.8 tons
Bridge posting	20.0 - 29.9 % below [2]		Design Load	M 9 / H 10 [1]

Functional Details

Average Daily Traffic	432	Average daily truck traffi	11	%	Year	2014	Future average daily traffic	864	Year	2035
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	4.57 m = 15.0 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	2436000	Roadway improvement cost	243000						
	Length of structure improvement	16.7 m = 54.8 ft		Total project cost	3654000					
	Year of improvement cost estimate	2015								
	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 corrective action [3]"/>
Condition ratings - superstructure	<input type="text" value="Serious [3]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
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 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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="3"/>
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="September 2014 [0914]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every year [Y12]"/>	Fracture critical inspection date	<input type="text" value="September 2014 [0914]"/>
Other special inspection	<input type="text" value="Every two years [Y24]"/>	Other special inspection date	<input type="text" value="September 2014 [0914]"/>