

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]	Cooper County [053]	Saline [65306]	S 20 T 48 N R 15 W	38-54-00 = 38.900000	092-34-54 = - 92.581667
9446	Highway agency district 5	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route #Num!	RT V S	Toll On free road [3]	Features intersected	PETITE SALINE CR	
Design - main Steel [3]	Design - approach	Kilometerpoint 221.1 km = 137.1 mi	Year built 1906	Year reconstructed N/A [0000]	
1	Truss - Thru [10]	0	Other [00]	Skew angle 0	Structure Flared
		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 52.1 m = 170.9 ft	Length of maximum span 52.1 m = 170.9 ft	Deck width, out-to-out 4.3 m = 14.1 ft	Bridge roadway width, curb-to-curb 4 m = 13.1 ft		
Inventory Route, Total Horizontal Clearance 4 m = 13.1 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Wood or Timber [8]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Built-up [1]				

Weight Limits

Bypass, detour length 19.9 km = 12.3 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	10 metric ton = 11.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	18 metric ton = 19.8 tons
Bridge posting	30.0 - 39.9 % below [1]		Design Load	M 9 / H 10 [1]

Functional Details

Average Daily Traffic	158	Average daily truck traffi	10	%	Year	2010	Future average daily traffic	213	Year	2031
Road classification	Minor Collector (Rural) [08]	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	4.34 m = 14.2 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	809000	Roadway improvement cost	80000						
	Length of structure improvement	6.2 m = 20.3 ft		Total project cost	1213000					
	Year of improvement cost estimate	2011								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	<input type="text" value="New structure not yet open to traffic [G]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
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 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="Meets minimum tolerable limits to be left in place as is [4]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="2"/>
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 2010 [1010]"/>	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="April 2010 [0410]"/>
Other special inspection	<input type="text" value="Every two years [Y24]"/>	Other special inspection date	<input type="text" value="April 2010 [0410]"/>