

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

Kansas [20]	Atchison County [005]	Unknown [00000]	1.5W 0.3S OF MUSCOTAH	39-32-48.14 = 39.546706	095-33-10.12 = -95.552811
00000000030460	Highway agency district: 1	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 1592	RS 1592	Toll On free road [3]	Features intersected	STREAM	
Design - main Concrete [1]	Design - approach Other [00]	Kilometerpoint 100 km = 62.0 mi	Year built 1917	Year reconstructed N/A [0000]	
1	Slab [01]	0	Skew angle 0	Structure Flared	
		Historical significance	Bridge is possibly eligible for the NRHP. [3]		
Total length 13.4 m = 44.0 ft	Length of maximum span 12.2 m = 40.0 ft	Deck width, out-to-out 6.5 m = 21.3 ft	Bridge roadway width, curb-to-curb 5.3 m = 17.4 ft		
Inventory Route, Total Horizontal Clearance 5.3 m = 17.4 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Other [9]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.6 km = 0.4 mi	Method to determine inventory rating Allowable Stress(AS) [2]	Inventory rating 18.9 metric ton = 20.8 tons
	Method to determine operating rating Allowable Stress(AS) [2]	Operating rating 24.3 metric ton = 26.7 tons
Bridge posting Equal to or above legal loads [5]	Design Load	

Functional Details

Average Daily Traffic	62	Average daily truck traffi		%	Year	2007	Future average daily traffic	63	Year	2030
Road classification	Major Collector (Rural) [07]		Lanes on structure	2	Approach roadway width	4.8 m = 15.7 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	99.9 = Unlimited				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	200000	Roadway improvement cost	100000						
	Length of structure improvement	27.4 m = 89.9 ft		Total project cost	305000					
	Year of improvement cost estimate	2010								
	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="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
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="Satisfactory [6]"/>		
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 protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present minimum criteria [6]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="75.8"/>
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="April 2014 [0414]"/>	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="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>