

HistoricBridges.org - National Bridge Inventory Data Sheet

2015 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

Kansas [20]	Cherokee County [021]	Unknown [00000]	3.5N OF BAXTER SPRINGS	37-04-24.00 = 37.073333	094-44-26.00 = -94.740556
000000000110630	Highway agency district: 4	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 2135		RS 2135	Toll On free road [3]	Features intersected BRUSH CREEK	
Design - main 1	Concrete [1]	Design - approach 0	Other [00]	Kilometerpoint 515 km = 319.3 mi	
	Arch - Thru [12]			Year built 1923	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance Bridge is on the NRHP. [1]	
Total length	40.5 m = 132.9 ft	Length of maximum span	39.6 m = 129.9 ft	Deck width, out-to-out	7.6 m = 24.9 ft
Inventory Route, Total Horizontal Clearance	6.1 m = 20.0 ft	Curb or sidewalk width - left	0.8 m = 2.6 ft	Curb or sidewalk width - right	0.8 m = 2.6 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 0.3 km = 0.2 mi	Method to determine inventory rating	Load Testing [4]	Inventory rating	14.4 metric ton = 15.8 tons
	Method to determine operating rating	Load Testing [4]	Operating rating	23.4 metric ton = 25.7 tons
Bridge posting	Equal to or above legal loads [5]	Design Load		

Functional Details

Average Daily Traffic	60	Average daily truck traffi		%	Year	2007	Future average daily traffic	72	Year	2029
Road classification	Local (Rural) [09]		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	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	233000	Roadway improvement cost	100000
	Length of structure improvement	40.5 m = 132.9 ft	Total project cost	350000
	Year of improvement cost estimate	2009		
	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="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="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	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="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 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 minimum criteria [6]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="67.1"/>
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="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="February 2014 [0214]"/>	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"/>