

# 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

Missouri [29]	Cedar County [039]	Cedar [12178]	S 2 T 35 N R 27 W	37-50-03.07 = 37.834186	093-52-32.22 = -93.875617
9581	Highway agency district: 6	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 39	MO 39 S	Toll On free road [3]	Features intersected	CEDAR CR	
Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	484.3 km = 300.3 mi
1	Truss - Thru [10]	4	Stringer/Multi-beam or girder [02]	Year built	1949
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	67.4 m = 221.1 ft	Length of maximum span	33.6 m = 110.2 ft	Deck width, out-to-out	6.8 m = 22.3 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	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection	Other [9]				
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	9.9 metric ton = 10.9 tons
4.8 km = 3.0 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	16.2 metric ton = 17.8 tons
	Bridge posting		Design Load	M 9 / H 10 [1]

## Functional Details

Average Daily Traffic	464	Average daily truck traffi	12	%	Year	2013	Future average daily traffic	672	Year	2034
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	2014		
	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 replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
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="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="5"/>
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="November 2014 [1114]"/>	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="November 2014 [1114]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>