

# HistoricBridges.org - National Bridge Inventory Data Sheet

2011 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]	Marion County [127]	Fabius [23176]	S 2 T 59 N R 6 W	39-56-11 = 39.936389	091-31-30 = - 91.525000
21384	Highway agency district 3	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 304	COUNTY RD 313	Toll On free road [3]	Features intersected N FABIUS RVR		
Design - main	Steel [3]	Design - approach	Kilometerpoint 112.7 km = 69.9 mi		
1	Truss - Thru [10]	0 Other [00]	Year built 1929	Year reconstructed N/A [0000]	
			Skew angle 0	Structure Flared	
			Historical significance Historical significance is not determinable at this time. [4]		
Total length 61.3 m = 201.1 ft	Length of maximum span 61 m = 200.1 ft	Deck width, out-to-out 6.4 m = 21.0 ft	Bridge roadway width, curb-to-curb 6 m = 19.7 ft		
Inventory Route, Total Horizontal Clearance 6 m = 19.7 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					
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 8.1 metric ton = 8.9 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating 21.6 metric ton = 23.8 tons
Bridge posting 10.0 - 19.9 % below [3]	Design Load		

### Functional Details

Average Daily Traffic	350	Average daily truck traffi	5	%	Year	2009	Future average daily traffic	438	Year	2029
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	7.6 m = 24.9 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	4.27 m = 14.0 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	832000	Roadway improvement cost	83000
	Length of structure improvement	7.2 m = 23.6 ft	Total project cost	1248000
	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="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
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="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="26.3"/>
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" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="February 2009 [0209]"/>	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="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="February 2009 [0209]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>