HistoricBridges.org - National Bridge Inventory Data Sheet

2009 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Miller County [131]	Equality [22528]	S 11 T 40 N R 14 W	38-14-06 = 38.235000	092-27-00 = -92.450000

5496	Highway agency district: 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 17		MO 17 S	Toll: On free road [3]	Features intersected: OSAGE RVR	

Design - main: Steel continuous [4]	Design - approach: Steel continuous [4]	Kilometerpoint: 1949.9 km = 1208.9 mi			
2	Truss - Thru [10]	10	Stringer/Multi-beam or girder [02]	Year built: 1932	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 330.4 m = 1084.0 ft	Length of maximum span: 60.9 m = 199.8 ft	Deck width, out-to-out: 7.1 m = 23.3 ft	Bridge roadway width, curb-to-curb: 6.1 m = 20.0 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	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 6.4 km = 4.0 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 9 metric ton = 9.9 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 23 metric ton = 25.3 tons			
	Bridge posting: 00.1 - 09.9 % below [4]	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	2998	Average daily truck traffi	11 %	Year	2007	Future average daily traffic	6295
Year	2029						
Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	6.7 m = 22.0 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	4.24 m = 13.9 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	3003000	Roadway improvement cost	300000
Length of structure improvement	33 m = 108.3 ft	Total project cost	4504000
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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	2

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	

Inspection date	December 2008 [1208]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2005 [0805]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	October 2008 [1008]
Other special inspection	Not needed [N]	Other special inspection date	