HistoricBridges.org - National Bridge Inventory Data Sheet

2015 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]	Platte County [165]	Riverside [62156]	S 8 T 50 N R 33 W	39-09-32.69 = 39.159081	094-37-27.19 = -94.624219

300	Highway agency district:	3	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	69		US 69 N	Toll	On free road [3]	Features intersected	MISSOURI RVR, UP RR, OR

Design - main	Steel continuous [4]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi		
5	Truss - Thru [10]	10	Stringer/Multi-beam or girder [02]	Year built	1957	Year reconstructed	1997
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	793.1 m = 2602.2 ft	Length of maximum span	144.7 m = 474.8 ft	Deck width, out-to-out	8.8 m = 28.9 ft	Bridge roadway width, curb-to-curb	7.9 m = 25.9 ft
Inventory Route, Total Horizontal Clearance	8.2 m = 26.9 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	Monolithic Concrete (concurrently placed with structural deck) [1]
Deck protection	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	Built-up [1]

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	16.2 metric ton = 17.8 tons	
0.1 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	27.9 metric ton = 30.7 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	12410	Average daily truck traffi	13 %	Year	2014	Future average daily traffic	23579
Year	2035						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	7.3 m = 24.0 ft		
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]	Bridge median			
Parallel structure designation	The right structure of parallel bridges carrying the roadway in the direction of the inventory. [R]						
Type of service under bridge	Highway-waterway-railroad [8	Lanes under structure	4	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	17 m = 55.8 ft	Navigation horizontal clearance	123.7 m = 405.9 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.72 m = 15.5 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]						
Minimum lateral underclearance on right	2.8 m = 9.2 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	6.4 m = 21.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]						

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	33387000	Roadway improvement cost	3338000
Length of structure improvement	79.3 m = 260.2 ft	Total project cost	50081000
Year of improvement cost estimate	2015		
Border bridge - state	Unknown [207]	Border bridge - percent responsibility of other state	50
Border bridge - structure number	9.9990690105e+14		

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Good [7]		

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 minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	44.2

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	July 2014 [0714]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	April 2013 [0413]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2014 [0714]
Other special inspection	Every two years [Y24]	Other special inspection date	July 2014 [0714]