

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Missouri [29]	Marion County [127]	Fabius [23176]	S 2 T 59 N R 5 W	39-55-47 = 39.929722	091-25-41 = - 91.428056
6072	Highway agency district 3	Owner State Highway Agency [01]	Maintenance responsibility	Other State Agencies [21]	
Route 24	US 24 E	Toll On free road [3]	Features intersected MISSISSIPPI RVR		
Design - main Steel continuous [4]	Design - approach Steel continuous [4]	Kilometerpoint 34699.1 km = 21513.4 mi	Year built 1930	Year reconstructed 1982	
2 Truss - Thru [10]	35 Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared		
		Historical significance Bridge is eligible for the NRHP. [2]			
Total length 1069.2 m = 3508.0 ft	Length of maximum span 191.3 m = 627.7 ft	Deck width, out-to-out 8.7 m = 28.5 ft	Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft		
Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Closed Grating [4]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Built-up [1]				

Weight Limits

Bypass, detour length 0.1 km = 0.1 mi	Method to determine inventory rating Allowable Stress(AS) [2]	Inventory rating 14 metric ton = 15.4 tons
	Method to determine operating rating Allowable Stress(AS) [2]	Operating rating 35 metric ton = 38.5 tons
Bridge posting Equal to or above legal loads [5]	Design Load M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	7577	Average daily truck traffi	12	%	Year	2009	Future average daily traffic	14396	Year	2031	
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2		Approach roadway width	13.4 m = 44.0 ft				
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		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	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]				
Navigation vertical clearanc	16.7 m = 54.8 ft			Navigation horizontal clearance	188.9 m = 619.8 ft						
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	39213000			Roadway improvement cost	3921000				
	Length of structure improvement	106.9 m = 350.7 ft			Total project cost	58820000				
	Year of improvement cost estimate	2011								
	Border bridge - state	Unknown [175]				Border bridge - percent responsibility of other state	50			
	Border bridge - structure number	1001900621								

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	39.1
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	April 2009 [0409]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	June 2009 [0609]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2009 [0409]
Other special inspection	Not needed [N]	Other special inspection date	