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]	St. Louis city [510]	St. Louis [65000]	S	38-39-53.37 = 38.664825	090-11-10.27 = -90.186186

32776	Highway agency district: 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		SALISBURY ST	Toll: On free road [3]	Features intersected: MISSISSIPPI RVR	

Design - main	Steel continuous [4]	Design - approach	Steel continuous [4]	Kilometerpoint: 0 km = 0.0 mi	
3	Truss - Thru [10]	31	Stringer/Multi-beam or girder [02]	Year built: 1910	Year reconstructed: 2005
Skew angle: 0	Structure Flared: Yes, flared [1]				
Historical significance: Historical significance is not determinable at this time. [4]					

Total length: 1747.5 m = 5733.5 ft	Length of maximum span: 157.7 m = 517.4 ft	Deck width, out-to-out: 14.4 m = 47.2 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	Concrete Cast-in-Place [1]
Type of wearing surface	
Deck protection	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 3.2 km = 2.0 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 24.3 metric ton = 26.7 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 40.5 metric ton = 44.6 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: MS 18 / HS 20 [5]		

Functional Details

Average Daily Traffic	10000	Average daily truck traffi	10 %	Year	2013	Future average daily traffic	13900	Year	2033

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	10.4 m = 34.1 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 control on waterway (bridge permit required). [1]
Navigation vertical clearanc	14.6 m = 47.9 ft	Navigation horizontal clearance	152.3 m = 499.7 ft		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.82 m = 19.1 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

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	67244000	Roadway improvement cost	6724000
Length of structure improvement	174.7 m = 573.2 ft	Total project cost	100867000
Year of improvement cost estimate	2015		
Border bridge - state	Unknown [175]	Border bridge - percent responsibility of other state	99
Border bridge - structure number	60600214602		

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	43.5
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	September 2013 [0913]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2013 [0913]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2013 [0913]
Other special inspection	Not needed [N]	Other special inspection date	

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Basic Information

Illinois [17]	Madison County [119]	Unknown [05890]	VENICE	38-39-54.39 = 3	090-10-57.25 = -9

60600200000000 | Highway agency district: 8 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 0 | | SALISBURY ST/FAU91 | Toll: On free road [3] | Features intersected: MISS RIVER

Design - main	Steel [3]	Design - approach	Steel [3]
3	Truss - Thru [10]	31	Stringer/Multi-beam or girder [02]

Kilometerpoint: 1.6 km = 1.0 mi

Year built: 1910 | Year reconstructed: 2005

Skew angle: 0 | Structure Flared: Yes, flared [1]

Historical significance: Bridge is eligible for the NRHP. [2]

Total length: 1747.4 m = 5733.2 ft | Length of maximum span: 157.7 m = 517.4 ft | Deck width, out-to-out: 14.4 m = 47.2 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: Concrete Cast-in-Place [1]

Type of wearing surface:

Deck protection: Epoxy Coated Reinforcing [1]

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 3.2 km = 2.0 mi

Method to determine inventory rating: Load Factor (LF) rating reported by rati | Inventory rating: 44.4 metric ton = 48.8 tons

Method to determine operating rating: Load Factor (LF) rating reported by rati | Operating rating: 73.9 metric ton = 81.3 tons

Bridge posting: Equal to or above legal loads [5] | Design Load: MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	17600	Average daily truck traffi	9 %	Year	2013	Future average daily traffic	14098
Year	2032						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	10.4 m = 34.1 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 control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	14.6 m = 47.9 ft	Navigation horizontal clearance	152.4 m = 500.0 ft				
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft	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

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	7440000	Roadway improvement cost	744000
Length of structure improvement	1924.8 m = 6315.3 ft	Total project cost	8184000
Year of improvement cost estimate			
Border bridge - state	Unknown [297]	Border bridge - percent responsibility of other state	
Border bridge - structure number	0		

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	46
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	September 2013 [0913]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2013 [0913]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2013 [0913]
Other special inspection	Not needed [N]	Other special inspection date	