

HistoricBridges.org - National Bridge Inventory Data Sheet

2015 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

Arkansas [05]	Crittenden County [035]	Unknown [00000]	TENNESSEE & ARK ST LN	35-07-48.00 = 3	090-04-48.00 = -9
2271	Highway agency district: 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 55	I- 55	Toll On free road [3]	Features intersected	MISS RIVER & CORD 312	
Design - main	Steel continuous [4]	Design - approach	Steel [3]	Kilometerpoint	0.2 km = 0.1 mi
5	Truss - Thru [10]	27	Girder and floorbeam system [03]	Year built	1949
				Year reconstructed	
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]
Total length	1591.7 m = 5222.4 ft	Length of maximum span	240.8 m = 790.1 ft	Deck width, out-to-out	19.8 m = 65.0 ft
Inventory Route, Total Horizontal Clearance	7.7 m = 25.3 ft	Curb or sidewalk width - left	3 m = 9.8 ft	Curb or sidewalk width - right	3 m = 9.8 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	22.7 metric ton = 25.0 tons
1.3 km = 0.8 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	38.1 metric ton = 41.9 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	39000	Average daily truck traffi	1	%	Year	2014	Future average daily traffic	49439	Year	2028
Road classification	Principal Arterial - Interstate (Urban) [11]		Lanes on structure	4		Approach roadway width	26.2 m = 86.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median	Closed median with non-mountable barr			
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway-waterway [6]		Lanes under structure	2		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	18.8 m = 61.7 ft		Navigation horizontal clearance	213.3 m = 699.8 ft						
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	5.28 m = 17.3 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.3 m = 7.5 ft				Minimum lateral underclearance on left	2.7 m = 8.9 ft				
Minimum Vertical Underclearance	11.25 m = 36.9 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

Work done by

Bridge improvement cost

0

Roadway improvement cost

0

Length of structure improvement

0 m = 0.0 ft

Total project cost

0

Year of improvement cost estimate

Border bridge - state

Unknown [474]

Border bridge - percent responsibility of other state

50

Border bridge - structure number

79100550101

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	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Fair [5]		
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	
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	44.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	January 2015 [0115]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	January 2015 [0115]
Other special inspection	Not needed [N]	Other special inspection date	

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2013 Inventory

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Basic Information

Tennessee [47]	Shelby County [157]	Memphis [48000]	ARKANSAS STATE LINE	35-07-48.00 = 35.130000	090-04-48.00 = -90.080000
79I00550101	Highway agency district: 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 55	I-55	Toll On free road [3]	Features intersected	MISS. RIVER & CO.RD. 312	
Design - main	Steel continuous [4]	Design - approach	Steel [3]	Kilometerpoint	1931.2 km = 1197.3 mi
5	Truss - Thru [10]	27	Girder and floorbeam system [03]	Year built	1949
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]
Total length	1591.7 m = 5222.4 ft	Length of maximum span	240.8 m = 790.1 ft	Deck width, out-to-out	19.8 m = 65.0 ft
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Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	22.5 metric ton = 24.8 tons
1.3 km = 0.8 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	37.8 metric ton = 41.6 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

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

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

Border bridge - state Border bridge - percent responsibility of other state

Border bridge - structure number

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	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Fair [5]		
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	
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	43.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	November 2011 [1111]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y48]	Underwater inspection date	November 2011 [1111]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	December 2012 [1212]
Other special inspection	Not needed [N]	Other special inspection date	