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

Arkansas [05]	Monroe County [095]	Charleston [13300]	1.8 MI W SH 86	34-41-19.50 = 3	091-19-07.60 = -9

1253	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 79		US 79-SEC 13	Toll: On free road [3]	Features intersected: 4 CITY STS, WHITE RIVER	

Design - main: Steel [3]		Design - approach: Steel [3]		Kilometerpoint: 1332.1 km = 825.9 mi	
3	Truss - Thru [10]	61	Stringer/Multi-beam or girder [02]	Year built: 1931	Year reconstructed:
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is on the NRHP. [1]	

Total length: 1305.5 m = 4283.3 ft	Length of maximum span: 121.9 m = 400.0 ft	Deck width, out-to-out: 8.5 m = 27.9 ft	Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft		
Inventory Route, Total Horizontal Clearance: 7.6 m = 24.9 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	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 6.4 km = 4.0 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 16.3 metric ton = 17.9 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 27.2 metric ton = 29.9 tons		
	Bridge posting: 20.0 - 29.9 % below [2]		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	3100	Average daily truck traffi	20 %	Year	2014	Future average daily traffic	4200
Year	2030						
Road classification	Principal Arterial - Other (Rural) [02]	Lanes on structure	2	Approach roadway width	11.9 m = 39.0 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	Highway-waterway [6]	Lanes under structure	8	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	15.2 m = 49.9 ft	Navigation horizontal clearance	91.4 m = 299.9 ft				
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	4.77 m = 15.7 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]						
Minimum lateral underclearance on right	1.5 m = 4.9 ft	Minimum lateral underclearance on left	4 m = 13.1 ft				
Minimum Vertical Underclearance	3.6 m = 11.8 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]						

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	0	Roadway improvement cost	235000
Length of structure improvement	1305.5 m = 4283.3 ft	Total project cost	8588000
Year of improvement cost estimate			
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	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	None present but re-evaluation suggested [5]	Sufficiency rating	11

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	April 2014 [0414]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2013 [1013]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	April 2014 [0414]
Other special inspection	Every year [Y12]	Other special inspection date	April 2014 [0414]