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

Oklahoma [40]	Cleveland County [027]	Unknown [00000]	CLEVELAND/MCCLAIN C/L	35-00-48.75 = 35.013542	097-21-31.00 = -97.358611

065930000000000 | Highway agency district: 3 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 77 | U.S. 77 | Toll: On free road [3] | Features intersected: S. CANADIAN RIVER & R.R.

Design - main	Steel [3]	Design - approach	Steel [3]
34	Truss - Deck [09]	2	Stringer/Multi-beam or girder [02]

Kilometerpoint: 0 km = 0.0 mi

Year built: 1938 | Year reconstructed: N/A [0000]

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is on the NRHP. [1]

Total length: 1110.1 m = 3642.2 ft | Length of maximum span: 61 m = 200.1 ft | Deck width, out-to-out: 12.5 m = 41.0 ft | Bridge roadway width, curb-to-curb: 9.8 m = 32.2 ft

Inventory Route, Total Horizontal Clearance: 9.8 m = 32.2 ft | Curb or sidewalk width - left: 0.9 m = 3.0 ft | Curb or sidewalk width - right: 0.9 m = 3.0 ft

Deck structure type: Concrete Cast-in-Place [1]

Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]

Deck protection: Unknown [8]

Type of membrane/wearing surface: Unknown [8]

Weight Limits

Bypass, detour length: 2.9 km = 1.8 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 15.8 metric ton = 17.4 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 26.3 metric ton = 28.9 tons

Bridge posting: 20.0 - 29.9 % below [2] | Design Load: M 18 / H 20 [4]

Functional Details

Average Daily Traffic	17400	Average daily truck traffi	7 %	Year	2013	Future average daily traffic	27840
Year	2033						
Road classification	Principal Arterial - Other (Rural) [02]	Lanes on structure	2	Approach roadway width	9.8 m = 32.2 ft		
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Railroad-waterway [7]	Lanes under structure	0	Navigation control			
Navigation vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
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	Highway beneath structure [H]						
Minimum lateral underclearance on right	3 m = 9.8 ft	Minimum lateral underclearance on left	99.9 = Unlimited				
Minimum Vertical Underclearance	6.8 m = 22.3 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Equal to present minimum criteria [6]						

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	22289000	Roadway improvement cost	4500000
Length of structure improvement	1110.1 m = 3642.2 ft	Total project cost	30296000
Year of improvement cost estimate	2009		
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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	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 the assessed or calculated scour condition. [8]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	23
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	July 2014 [0714]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	July 2014 [0714]
Other special inspection	Every year [Y12]	Other special inspection date	July 2014 [0714]