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

Kansas [20]	Miami County [121]	Unknown [00000]	3.8W 1.1N of Osawatomie	38-31-14.53 = 38.520703	095-02-01.12 = -95.033644

000611067705040 | Highway agency district: 4 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 0 | | 335th Street | Toll: On free road [3] | Features intersected: MARIAS DES CYGNES RIVER

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	2	Truss - Thru [10]	Year built: 1909	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is on the NRHP. [1]

Total length	75.7 m = 248.4 ft	Length of maximum span	48.5 m = 159.1 ft	Deck width, out-to-out	5 m = 16.4 ft	Bridge roadway width, curb-to-curb	5 m = 16.4 ft
Inventory Route, Total Horizontal Clearance	4.7 m = 15.4 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type: Wood or Timber [8]

Type of wearing surface: Wood or Timber [7]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	2.7 metric ton = 3.0 tons	
0.5 km = 0.3 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	3.6 metric ton = 4.0 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	26	Average daily truck traffi		%	Year 2011	Future average daily traffic 39	Year 2030

Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	5.5 m = 18.0 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	Waterway [5]	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		Minimum vertical clearance over bridge roadway	4.7 m = 15.4 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	1700000	Roadway improvement cost	795000
Length of structure improvement	213.4 m = 700.2 ft	Total project cost	2500000
Year of improvement cost estimate	2008		
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	24.5

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	October 2014 [1014]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2014 [1014]
Other special inspection	Not needed [N]	Other special inspection date	