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]	Doniphan County [043]	Unknown [00000]	3.5E 1.7S OF BENDENA	39-42-53.00 = 39.714722	095-06-52.00 = -95.114444

000221057003387 | Highway agency district: 1 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 0 | LOCAL T-228-3 | Toll: On free road [3] | Features intersected: COTTONWOOD CREEK

Design - main	Steel [3]	Design - approach	
1	Truss - Thru [10]	0	Other [00]

Kilometerpoint: 0 km = 0.0 mi

Year built: #Num! | Year reconstructed: N/A [0000]

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is possibly eligible for the NRHP. [3]

Total length: 23.5 m = 77.1 ft | Length of maximum span: 22.9 m = 75.1 ft | Deck width, out-to-out: 4.9 m = 16.1 ft | Bridge roadway width, curb-to-curb: 4.8 m = 15.7 ft

Inventory Route, Total Horizontal Clearance: 4.9 m = 16.1 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: 19.9 km = 12.3 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 2.9 metric ton = 3.2 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 4.9 metric ton = 5.4 tons

Bridge posting: | Design Load:

Functional Details

Average Daily Traffic	2	Average daily truck traffi		%	Year 2005	Future average daily traffic 2	Year 2029

Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	4.1 m = 13.5 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	4.87 m = 16.0 ft		
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]				
Minimum lateral underclearance on right	99.9 = Unlimited	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	175000	Roadway improvement cost	25000
Length of structure improvement	30.5 m = 100.1 ft	Total project cost	235000
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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	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	Fair [5]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
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 minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	28.4

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	February 2015 [0215]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2014 [0414]
Other special inspection	Every year [Y12]	Other special inspection date	December 2013 [1213]