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]	Wyandotte County [209]	Kansas City [36000]	SHAWNEE RD OVER 7TH ST	39-04-18.85 = 39.071903	094-37-15.12 = -94.620867

514301050000148 | Highway agency district: 1 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 0 | SHAWNEE ROAD | Toll: On free road [3] | Features intersected: 7TH ST TRAFFICWAY

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Arch - Deck [11]	0	Other [00]	Year built: 1933	Year reconstructed: 2013
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is on the NRHP. [1]

Total length: 27.4 m = 89.9 ft | Length of maximum span: 27.4 m = 89.9 ft | Deck width, out-to-out: 11.4 m = 37.4 ft | Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance: 7.3 m = 24.0 ft | Curb or sidewalk width - left: 1.5 m = 4.9 ft | Curb or sidewalk width - right: 1.5 m = 4.9 ft

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

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

Deck protection: Epoxy Coated Reinforcing [1]

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 1.6 km = 1.0 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 13.6 metric ton = 15.0 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 22.7 metric ton = 25.0 tons

Bridge posting: 20.0 - 29.9 % below [2] | Design Load: MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	697	Average daily truck traffi	1 %	Year	1990	Future average daily traffic	900	Year	2030

Road classification	Local (Urban) [19]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 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	Highway, with or without ped	Lanes under structure	4	Navigation control	Not applicable, no waterway. [N]
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	99.99 m = 328.1 ft		
Minimum lateral underclearance reference feature	Highway beneath structure [H]				
Minimum lateral underclearance on right	1.8 m = 5.9 ft	Minimum lateral underclearance on left	1.8 m = 5.9 ft		
Minimum Vertical Underclearance	10.73 m = 35.2 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		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	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Very Good [8]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	50.3
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	September 2013 [0913]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	