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							39-11-35.00 =	095-33-06.00	
Kansas [20] Jefferson County [087]		y [087]	Unknown [00000] 1.34 MI NE K245				39.193056	= -95.551667	
999900400440191 Highway agency distri		gency district: 14	Owner State Highway A	Agency [01]	Maintenance	responsibility	State Highway Agency [01]		
Route 4 K4 HWY			Toll On fre	e road [3] Fea	atures intersect	ed ROCK CREI	EK		
Design - mainConcrete continuous [2]3Tee beam [04]		Design - approach 0 Othe	er [00]	Kilometerpoint5595Year built1961Skew angle0	1961 Year reconstructed				
				Historical significance	Bridge is	not eligible for th	ne NRHP. [5]		
Total length 52.6 m	Total length 52.6 m = 172.6 ft Length of maximum span 21.3 m = 69.9 ft Deck width, out-to-out 10.1 m = 33.1 ft Bridge roadway width, curb-to-curb 8.5 m = 27.9 ft								
Inventory Route, Total Horizontal Clearance 8.5 m = 27.9 ft			Curb or sidewalk wi	dth - left $0 \text{ m} = 0.0 \text{ ft}$		Curb or side	walk width - right	0 m = 0.0 ft	
Deck structure type		Concrete Cast-in-Pla	ace [1]						
Type of wearing surface Low slump Concrete [9 [4]							
Deck protection									
Type of membrane/wearing surface									
Weight Limite									
Weight Limits Bypass, detour length Method to determine inventory rating		g Load Factor(LF) [1]	Inver	ntory rating	21.3 metric ton =	= 23.4 tons			
3.1 km = 1.9 mi	Method to de	termine operating rating	g Load Factor(LF) [1]	Oper	rating rating	35.4 metric ton =	= 38.9 tons		
Bridge posting Equal to or above legal loads [5]			Desi	gn Load M 18	3 / H 20 [4]				

Functional Details								
Average Daily Traffic 5690 Average daily tr	uck traffi 10 % Year 2014 Future average daily traffic	c 7664 Year 2034						
Road classification Principal Arterial - Other (Rural)	[02] Lanes on structure 2	Approach roadway width 13.4 m = 44.0 ft						
Type of service on bridge Highway [1]	Direction of traffic 2 - way traffic [2]	Bridge median						
Parallel structure designation No parallel structur	e 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 99.99 m = 328.1 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 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]								
Densin and Denlagement Diana								
Repair and Replacement Plans								
Type of work to be performed Work done by Work to be done by contract [1]								
Bridge deck replacement with only incidental widening. [37]	Bridge improvement cost 111000 Roadway in	improvement cost 11000						
	Length of structure improvement52.6 m = 172.6 ft	Total project cost 167000						
	Year of improvement cost estimate 2015							
	Border bridge - state	Border bridge - percent responsibility of other state						
	Border bridge - structure number							

Inspection and Sufficiency								
Structure status Open, no restriction [A]			Appraisal ratings - structural	Somewh is [5]	Somewhat better than minimum adequacy to tolerate being left in place as is [5] Meets minimum tolerable limits to be left in place as is [4]			
Condition ratings - superstructure Satisfactory [6]			Appraisal ratings - roadway alignment					
Condition ratings - substructure	Good [7]	App	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]				
Condition ratings - deck	Good [7]							
Scour	Bridge is sco	Bridge is scour critical; bridge foundations determined to be unstable. [3]						
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 adequac		Somewhat better than minimum adequacy to tolerate to in place as is [5]			Status evaluation	Functionally obsolete	[2]	
Pier or abutment protection					Sufficiency rating	47.9		
Culverts Not applicable. Used i	f structure is not a d	culvert. [N]						
Traffic safety features - railings								
Traffic safety features - transition	S							
Traffic safety features - approach								
Traffic safety features - approach guardrail ends								
Inspection date May 2014 [0]	514]	Designated inspection fr	requency 24	4	Months			
Underwater inspection		Underwater insp	ection date]		
Fracture critical inspection	Not needed [N]	eeded [N]		Fracture critical inspection date				
Other special inspection	Not needed [N]	eeded [N]		Other special inspection date				