HistoricBridges.org - National Bridge Inventory Data Sheet

2019 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

Illinois [17]	Stephenson County [177]	Unknown [02070]	AT KRAPE PARK	42-16-37.70 = 4	089-38-48.66 = -8

89600300000000 | Highway agency district: 2 | Owner: City or Municipal Highway Agency [04] | Maintenance responsibility: City or Municipal Highway Agency [04]

Route: 0 | | PARK COURT | Toll: On free road [3] | Features intersected: YELLOW CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	1.6 km = 1.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1920
				Year reconstructed	
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	18.9 m = 62.0 ft	Length of maximum span	18.3 m = 60.0 ft	Deck width, out-to-out	3.9 m = 12.8 ft	Bridge roadway width, curb-to-curb	3.9 m = 12.8 ft
Inventory Route, Total Horizontal Clearance	3.9 m = 12.8 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

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

Type of wearing surface:

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0.2 km = 0.1 mi

Method to determine inventory rating: No rating analysis or evaluation perfor | Inventory rating: 0 metric ton = 0.0 tons

Method to determine operating rating: No rating analysis or evaluation perfor | Operating rating: 0 metric ton = 0.0 tons

Bridge posting: | Design Load:

Functional Details

Average Daily Traffic	25	Average daily truck traffi	24 %	Year	2014	Future average daily traffic	400
Year	2040						
Road classification	Minor Collector (Rural) [08]	Lanes on structure	1	Approach roadway width	4.9 m = 16.1 ft		
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	0 m = 0.0 ft	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 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	70000	Roadway improvement cost	7000
Length of structure improvement	26.5 m = 86.9 ft	Total project cost	105000
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Imminent Failure [1]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Critical [2]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	19
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	June 2017 [0617]	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	