

The National Bridge Inventory contains data submitted by state transportation 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]	Greene County [061]	Unknown [02450]	AT HARDIN ILLINOIS	39-09-36.90 = 3	090-36-58.12 = -9
31000100000000	Highway agency district: 8	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 16	ILL 100	Toll On free road [3]	Features intersected ILL RIV & TR 423		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 1.6 km = 1.0 mi	Year built 1930	Year reconstructed 2004	
1	Movable - Lift [15]	15	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length 655.3 m = 2150.0 ft	Length of maximum span 94.8 m = 311.0 ft	Deck width, out-to-out 6.9 m = 22.6 ft	Bridge roadway width, curb-to-curb 6.7 m = 22.0 ft		
Inventory Route, Total Horizontal Clearance 6.9 m = 22.6 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Closed Grating [4]				
Type of wearing surface	Bituminous [6]				
Deck protection	Cathodic Protected [4]				
Type of membrane/wearing surface	Built-up [1]				

Weight Limits

Bypass, detour length 7.7 km = 4.8 mi	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating 20.4 metric ton = 22.4 tons
	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating 43.7 metric ton = 48.1 tons
Bridge posting 20.0 - 29.9 % below [2]		Design Load M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	2500	Average daily truck traffi	8	%	Year	2017	Future average daily traffic	2781	Year	2032
Road classification	Minor Arterial (Rural) [06]		Lanes on structure	2		Approach roadway width	9.8 m = 32.2 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	Highway-waterway [6]		Lanes under structure	2		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	20.1 m = 65.9 ft			Navigation horizontal clearance	91.4 m = 299.9 ft					
Minimum navigation vertical clearance, vertical lift bridge	2.7 m = 8.9 ft			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	4 m = 13.1 ft				Minimum lateral underclearance on left	30.4 m = 99.7 ft				
Minimum Vertical Underclearance	99.99 m = 328.1 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Superior to present desirable criteria [9]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	3386000	Roadway improvement cost	338000
	Length of structure improvement	655.3 m = 2150.0 ft	Total project cost	3724000
	Year of improvement cost estimate			
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, posting recommended but not legally implemented [B]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	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	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	7.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	October 2018 [1018]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2018 [1018]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	October 2018 [1018]
Other special inspection	Not needed [N]	Other special inspection date	