

# HistoricBridges.org - National Bridge Inventory Data Sheet

2015 Inventory

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]	Scott County [171]	Unknown [00000]	E EDGE FLORENCE	39-37-57.27 = 3	090-36-28.32 = -9
86000100000000	Highway agency district: 6	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 100	IL 100/106	Toll On free road [3]	Features intersected ILLINOIS RIVER		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 12127.7 km = 7519.2 mi	Year built 1929	Year reconstructed 1981	
1	Movable - Lift [15]	37	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length 968.7 m = 3178.3 ft	Length of maximum span 66.1 m = 216.9 ft	Deck width, out-to-out 7.5 m = 24.6 ft	Bridge roadway width, curb-to-curb 7 m = 23.0 ft		
Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Open Grating [3]				
Type of wearing surface					
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length 2.3 km = 1.4 mi	Method to determine inventory rating	Load Factor (LF) rating reported by rati	Inventory rating 24.9 metric ton = 27.4 tons
	Method to determine operating rating	Load Factor (LF) rating reported by rati	Operating rating 41.5 metric ton = 45.7 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	

### Functional Details

Average Daily Traffic	1250	Average daily truck traffi	24	%	Year	2013	Future average daily traffic	1464	Year	2032
Road classification	Minor Arterial (Rural) [06]		Lanes on structure	2		Approach roadway width	12.8 m = 42.0 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 control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	18.6 m = 61.0 ft			Navigation horizontal clearance	61.6 m = 202.1 ft					
Minimum navigation vertical clearance, vertical lift bridge	1.2 m = 3.9 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	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	10278000	Roadway improvement cost	1028000
	Length of structure improvement	968.7 m = 3178.3 ft	Total project cost	15417000
	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, no restriction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Critical [2]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
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 adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	7
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	June 2014 [0614]	Designated inspection frequency	12 Months
Underwater inspection	Every year [Y12]	Underwater inspection date	June 2014 [0614]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	June 2014 [0614]
Other special inspection	Every year [Y12]	Other special inspection date	September 2008 [0908]