

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]	Madison County [119]	Madison [45993]	2 M E MISSISSIPPI R	38-45-54 = 38.7	090-08-17 = -90.1
60003614266	Highway agency district 8	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 270	FAI 270 EB	Toll On free road [3]	Features intersected CHAIN OF ROCKS CANAL		
Design - main Steel continuous [4]	Design - approach Steel continuous [4]	Kilometerpoint 289.6 km = 179.6 mi	Year built 1963	Year reconstructed #Num!	
3	Truss - Thru [10]	9	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
			Historical significance Bridge is not eligible for the NRHP. [5]		
Total length 606.6 m = 1990.3 ft	Length of maximum span 146.3 m = 480.0 ft	Deck width, out-to-out 11 m = 36.1 ft	Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft		
Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 ft	Curb or sidewalk width - left 0.6 m = 2.0 ft	Curb or sidewalk width - right 0.6 m = 2.0 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Other [9]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 2.7 km = 1.7 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	19.8 metric ton = 21.8 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	32.4 metric ton = 35.6 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	27000	Average daily truck traffi	18	%	Year	2011	Future average daily traffic	28620	Year	2032
Road classification	Principal Arterial - Interstate (Urban) [11]		Lanes on structure	2	Approach roadway width	11 m = 36.1 ft				
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		Bridge median				
Parallel structure designation	The right structure of parallel bridges carrying the roadway in the direction of the inventory. [R]									
Type of service under bridge	Highway-waterway [6]		Lanes under structure	8	Navigation control	Navigation control on waterway (bridge permit required). [1]				
Navigation vertical clearanc	15.2 m = 49.9 ft			Navigation horizontal clearance	106.6 m = 349.8 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	5.23 m = 17.2 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.9 m = 3.0 ft				Minimum lateral underclearance on left	99.8 m = 327.4 ft				
Minimum Vertical Underclearance	7.65 m = 25.1 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]									

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	10746000	Roadway improvement cost	180000						
	Length of structure improvement	606.6 m = 1990.3 ft		Total project cost	10926000					
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Fair [5]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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 but in a deteriorated condition [3]	Sufficiency rating	21.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
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			
Inspection date	May 2011 [0511]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	May 2011 [0511]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	May 2011 [0511]
Other special inspection	Not needed [N]	Other special inspection date	

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60003714267 Highway agency district 8 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 270 FAI 270 WB Toll On free road [3] Features intersected CHAIN OF ROCKS CANAL

Design - main Steel continuous [4] Design - approach Steel continuous [4] Kilometerpoint 291.2 km = 180.5 mi

3 Truss - Thru [10] 9 Stringer/Multi-beam or girder [02] Year built 1963 Year reconstructed #Num!

Skew angle 0 Structure Flared

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