HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Carroll County [015]	Savanna [67834]	NW EDGE SAVANNA	42-06-15 = 42.1	090-09-38 = -90.1

8600001777	Highway agency district: 2	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 52		US 52	Toll: On free road [3]	Features intersected: MISS RIV & BN RR	

Design - main: Steel continuous [4]	Design - approach: Steel [3]	Kilometerpoint: 1.6 km = 1.0 mi			
4	Truss - Thru [10]	21	Stringer/Multi-beam or girder [02]	Year built: 1932	Year reconstructed: 1985
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is on the NRHP. [1]	

Total length: 756.2 m = 2481.1 ft	Length of maximum span: 158.5 m = 520.0 ft	Deck width, out-to-out: 6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb: 6.1 m = 20.0 ft				
Inventory Route, Total Horizontal Clearance: 6 m = 19.7 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: Other [9]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 6.8 km = 4.2 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 24.3 metric ton = 26.7 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 32.4 metric ton = 35.6 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	2100	Average daily truck traffi	10 %	Year	2009	Future average daily traffic	2100
Year	2032						
Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	Railroad-waterway [7]	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	15.5 m = 50.9 ft	Navigation horizontal clearance	154.8 m = 507.9 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.03 m = 16.5 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]						
Minimum lateral underclearance on right	8.8 m = 28.9 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	9.75 m = 32.0 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Superior to present desirable criteria [9]						

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	7882000	Roadway improvement cost	788000
Length of structure improvement	756.2 m = 2481.1 ft	Total project cost	12281000
Year of improvement cost estimate			
Border bridge - state	Unknown [197]	Border bridge - percent responsibility of other state	50
Border bridge - structure number	29940		

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 - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		

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	Navigation protection not required [1]	Sufficiency rating	30.5

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	August 2011 [0811]	Designated inspection frequency	12	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2011 [0811]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	August 2011 [0811]
Other special inspection	Not needed [N]	Other special inspection date	

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Basic Information

Iowa [19]	Jackson County [097]	Unknown [00000]	#Num!	42-06-15 = 42.104167	090-09-45 = -90.162500

29940	Highway agency district	6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	52		US 52 & IA 64	Toll	On free road [3]	Features intersected	MISSISSIPPI RIVER

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	44.1 km = 27.3 mi		
4	Truss - Thru [10]	3	Stringer/Multi-beam or girder [02]	Year built	1932	Year reconstructed	1985
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]		

Total length	756.2 m = 2481.1 ft	Length of maximum span	158.5 m = 520.0 ft	Deck width, out-to-out	6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb	6.1 m = 20.0 ft
Inventory Route, Total Horizontal Clearance	6.1 m = 20.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Other [9]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	24.5 metric ton = 27.0 tons	
6.8 km = 4.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	32.7 metric ton = 36.0 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	2100	Average daily truck traffi	6 %	Year	2011	Future average daily traffic	2828
Year	2031						
Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	Railroad-waterway [7]	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required). [1]		
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Appraisal ratings - underclearances	Superior to present desirable criteria [9]						

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	7882000	Roadway improvement cost	788000
Length of structure improvement	2481 m = 8140.2 ft	Total project cost	
Year of improvement cost estimate			
Border bridge - state	Unknown [175]	Border bridge - percent responsibility of other state	50
Border bridge - structure number	8600001777		

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 - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	30.8

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	August 2011 [0811]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	March 2008 [0308]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2011 [0811]
Other special inspection	Not needed [N]	Other special inspection date	