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]	Will County [197]	Joliet [38570]	1.5 MI NO. OF I-80	41-31-54 = 41.5	088-05-05 = -88.0

99023925143	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		

Route: 297		JACKSON ST	Toll: On free road [3]	Features intersected: DES PLAINES RIVER	

Design - main: Steel [3]	Design - approach: Steel [3]	Kilometerpoint: 112.6 km = 69.8 mi			
1	Movable - Bascule [16]	3	Girder and floorbeam system [03]	Year built: 1932	Year reconstructed: 1985
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 86.6 m = 284.1 ft	Length of maximum span: 50.6 m = 166.0 ft	Deck width, out-to-out: 12.2 m = 40.0 ft	Bridge roadway width, curb-to-curb: 7.3 m = 24.0 ft				
Inventory Route, Total Horizontal Clearance: 7.3 m = 24.0 ft	Curb or sidewalk width - left: 2.4 m = 7.9 ft	Curb or sidewalk width - right: 2.4 m = 7.9 ft					
Deck structure type: Other [9]							
Type of wearing surface: Other [9]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 0.1 km = 0.1 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:			

Functional Details

Average Daily Traffic	3450	Average daily truck traffi	5 %	Year	2008	Future average daily traffic	4626
Year	2032						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	7.3 m = 24.0 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	3.9 m = 12.8 ft	Navigation horizontal clearance	45.7 m = 149.9 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	5.18 m = 17.0 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	1500000	Roadway improvement cost	150000
Length of structure improvement	95.1 m = 312.0 ft	Total project cost	2250000
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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
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 the assessed or calculated scour condition. [8]		
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	56.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	May 2010 [0510]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2010 [1010]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2010 [0910]
Other special inspection	Not needed [N]	Other special inspection date	