HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Cook County [031]	Chicago [14000]	384 W WASHINGTON	41-52-59 = 41.8	087-38-18 = -87.6

000016605326841	Highway agency district: 1	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		

Route: 1414		WASHINGTON ST	Toll: On free road [3]	Features intersected: S BR CHICAGO RIV	

Design - main: Steel [3]		Design - approach: Steel [3]		Kilometerpoint: 218.8 km = 135.7 mi	
1	Movable - Bascule [16]	4	Stringer/Multi-beam or girder [02]	Year built: 1913	Year reconstructed: N/A [0000]
				Skew angle: 5	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 92.5 m = 303.5 ft	Length of maximum span: 60 m = 196.9 ft	Deck width, out-to-out: 17.5 m = 57.4 ft	Bridge roadway width, curb-to-curb: 11 m = 36.1 ft		
Inventory Route, Total Horizontal Clearance: 10.9 m = 35.8 ft	Curb or sidewalk width - left: 2.2 m = 7.2 ft	Curb or sidewalk width - right: 2.2 m = 7.2 ft			

Deck structure type	Open Grating [3]
Type of wearing surface	Other [9]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length: 0 km = 0.0 mi	Method to determine inventory rating: Allowable Stress(AS) [2]		Inventory rating: 32.4 metric ton = 35.6 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 44.1 metric ton = 48.5 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: MS 18 / HS 20 [5]		

Functional Details

Average Daily Traffic	13700	Average daily truck traffi	35 %	Year	2006	Future average daily traffic	2516
Year	2030						
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	3	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	6.4 m = 21.0 ft	Navigation horizontal clearance	47.2 m = 154.9 ft				
Minimum navigation vertical clearance, vertical lift bridge		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

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	833000	Roadway improvement cost	83000
Length of structure improvement	88.1 m = 289.1 ft	Total project cost	1250000
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	Equal to present minimum criteria [6]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	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 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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	75

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	Not applicable or a safety feature is not required. [N]
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]

Inspection date	October 2007 [1007]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2007 [1107]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	