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]	Cook County [031]	Chicago [14000]	2201 N & 1600 W P3C	41-55-21 = 41.9	087-40-06 = -87.6

16600226634	Highway agency district: 1	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		

Route: 2853		ASHLAND AVE	Toll: On free road [3]	Features intersected: N BR CHICAGO RIVER	

Design - main: Steel [3]	Design - approach: Steel [3]	Kilometerpoint: 1670.1 km = 1035.5 mi			
1	Movable - Bascule [16]	4	Stringer/Multi-beam or girder [02]	Year built: 1936	Year reconstructed: 1993
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 117.8 m = 386.5 ft	Length of maximum span: 70.7 m = 232.0 ft	Deck width, out-to-out: 25.6 m = 84.0 ft	Bridge roadway width, curb-to-curb: 18.3 m = 60.0 ft		
Inventory Route, Total Horizontal Clearance: 18.2 m = 59.7 ft	Curb or sidewalk width - left: 2.5 m = 8.2 ft	Curb or sidewalk width - right: 2.5 m = 8.2 ft			

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]
Deck protection	Epoxy Coated Reinforcing [1]
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: 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	34100	Average daily truck traffi	6 %	Year	2010	Future average daily traffic	35123
Year	2032						

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	4	Approach roadway width	18.3 m = 60.0 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	4.8 m = 15.7 ft	Navigation horizontal clearance	42.6 m = 139.8 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

Work done by

Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	0 m = 0.0 ft	Total project cost	0
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	Better than present minimum criteria [7]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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	
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	92.4
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
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	November 2010 [1110]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	June 2009 [0609]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	