HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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	Cook County	Chicago	400 W & 309 N	41.8875	-87.633889

16605404144 | Highway agency district: 1 | Owner: City or Municipal Highway Agency | Maintenance responsibility: City or Municipal Highway Agency

Route: 2899 | | N WELLS ST | Toll: On free road | Features intersected: MAIN BR CHICAGO RIV

Design - main	Steel	Design - approach	Steel
1	Movable - Bascule	4	Stringer/Multi-beam or girder

Kilometerpoint: 193.5

Year built: 1922 | Year reconstructed: N/A

Skew angle: 0 | Structure Flared:

Historical significance: Bridge is possibly eligible for the NRHP.

Total length: 345.2 | Length of maximum span: 268.1 | Deck width, out-to-out: 71.9 | Bridge roadway width, curb-to-curb: 38.1

Inventory Route, Total Horizontal Clearance: 37.7 | Curb or sidewalk width - left: 13.5 | Curb or sidewalk width - right: 13.5

Deck structure type: Open Grating

Type of wearing surface: Other

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0

Method to determine inventory rating: Allowable Stress(AS) | Inventory rating: 7.9

Method to determine operating rating: Allowable Stress(AS) | Operating rating: 13.9

Bridge posting: | Design Load:

Functional Details

Average Daily Traffic	8500	Average daily truck traffi	12 %	Year	2006	Future average daily traffic	14531	Year	2021

Road classification	Collector (Urban)	Lanes on structure	4	Approach roadway width	38.1
Type of service on bridge	Highway-railroad	Direction of traffic	2 - way traffic	Bridge median	
Parallel structure designation	No parallel structure exists.				
Type of service under bridge	Waterway	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required).
Navigation vertical clearanc	15.7	Navigation horizontal clearance	183.7		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	125		
Minimum lateral underclearance reference feature	Feature not a highway or railroad				
Minimum lateral underclearance on right	N/A	Minimum lateral underclearance on left	N/A		
Minimum Vertical Underclearance	N/A	Minimum vertical underclearance reference feature	Feature not a highway or railroad		
Appraisal ratings - underclearances	N/A				

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.

Work done by	Work to be done by contract		
Bridge improvement cost	1214	Roadway improvement cost	121
Length of structure improvement	361.9	Total project cost	1821
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement
Condition ratings - superstructure	Serious	Appraisal ratings - roadway alignment	Equal to present desirable criteria
Condition ratings - substructure	Fair	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement
Condition ratings - deck	Poor		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition.
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.

Appraisal ratings - water adequacy	Superior to present desirable criteria	Status evaluation	Structurally deficient
Pier or abutment protection		Sufficiency rating	17

Culverts	Not applicable. Used if structure is not a culvert.

Traffic safety features - railings	Inpected feature meets currently acceptable standards.
Traffic safety features - transitions	Not applicable or a safety feature is not required.
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required.
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required.

Inspection date	Dec-08	Designated inspection frequency	24	Months

Underwater inspection	Unknown	Underwater inspection date	Nov-07
Fracture critical inspection	Not needed	Fracture critical inspection date	
Other special inspection	Not needed	Other special inspection date	