

The National Bridge Inventory contains data submitted by state transportation 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	402 N & 520 E	41.888333	-87.613889
16603027328	Highway agency district: 1	Owner City or Municipal Highway Agency	Maintenance responsibility City or Municipal Highway Agency		
Route 41	LAKE SHORE DRIVE	Toll On free road	Features intersected MAIN BR CHICAGO RIV		
Design - main Steel	Design - approach Steel	Kilometerpoint 1495.4	Year built 1937	Year reconstructed N/A	
1 Movable - Bascule	3 Stringer/Multi-beam or girder	Skew angle 0	Structure Flared		
		Historical significance	Bridge is eligible for the NRHP.		
Total length 356	Length of maximum span 264.1	Deck width, out-to-out 107.6	Bridge roadway width, curb-to-curb 80.7		
Inventory Route, Total Horizontal Clearance 37.7	Curb or sidewalk width - left 0	Curb or sidewalk width - right 0			
Deck structure type	Closed Grating				
Type of wearing surface	Other				
Deck protection	Polymer Impregnated				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0	Method to determine inventory rating Allowable Stress(AS)	Inventory rating 35.6
	Method to determine operating rating Allowable Stress(AS)	Operating rating 48.5
Bridge posting Equal to or above legal loads	Design Load MS 18 / HS 20	

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

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

Appraisal ratings -
structural

Equal to present minimum criteria

Condition ratings - superstructure

Satisfactory

Appraisal ratings -
roadway alignment

Equal to present desirable criteria

Condition ratings - substructure

Good

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement

Condition ratings - deck

Satisfactory

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition.

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.

Appraisal ratings - water adequacy

Superior to present desirable criteria

Status evaluation

Functionally obsolete

Pier or abutment protection

Sufficiency rating

76

Culverts

Not applicable. Used if structure is not a culvert.

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

Nov-08

Designated inspection frequency

24

Months

Underwater inspection

Unknown

Underwater inspection date

Dec-07

Fracture critical inspection

Every year

Fracture critical inspection date

Nov-08

Other special inspection

Not needed

Other special inspection date