

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 | 375 W & 150 N | 41.884444 | -87.637778 |
| 16610218814 | Highway agency district: 1 | Owner City or Municipal Highway Agency | Maintenance responsibility City or Municipal Highway Agency | | |
| Route 1407 | RANDOLPH ST | Toll On free road | Features intersected S.BR.CHICAGO RIVER | | |
| Design - main 1 | Steel Movable - Bascule | Design - approach 3 | Steel Stringer/Multi-beam or girder | Kilometerpoint 127.7 | Year built 1984 |
| | | | | Year reconstructed N/A | Skew angle 0 |
| | | | | Structure Flared | Historical significance Bridge is not eligible for the NRHP. |
| Total length 336.3 | Length of maximum span 212.9 | Deck width, out-to-out 76.1 | Bridge roadway width, curb-to-curb 47.9 | | |
| Inventory Route, Total Horizontal Clearance 47.9 | Curb or sidewalk width - left 10.5 | Curb or sidewalk width - right 10.5 | | | |
| 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 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 | 6300 | Average daily truck traffi | 11 | % | Year | 2006 | Future average daily traffic | 24705 | Year | 2021 |
| Road classification | Minor Arterial (Urban) | Lanes on structure | 4 | | Approach roadway width | 47.9 | | | | |
| Type of service on bridge | Highway | Direction of traffic | 1 - 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 | 21 | Navigation horizontal clearance | 99.7 | | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge | | Minimum vertical clearance over bridge roadway | Unlimited | | | | | | | |
| 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 | Work done by | Work to be done by contract | | | | | | | | |
| Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. | Bridge improvement cost | 1847 | Roadway improvement cost | 185 | | | | | | |
| | Length of structure improvement | 370.1 | Total project cost | 2771 | | | | | | |
| | 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

Better than present minimum criteria

Condition ratings - superstructure

Good

Appraisal ratings -
roadway alignment

Equal to present desirable criteria

Condition ratings - substructure

Very Good

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement

Condition ratings - deck

Good

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

Inspected 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

Sep-08

Designated inspection frequency

24

Months

Underwater inspection

Unknown

Underwater inspection date

Jul-04

Fracture critical inspection

Not needed

Fracture critical inspection date

Other special inspection

Not needed

Other special inspection date