

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 [17]	Cook County [031]	Unknown [27987]	0.1 M N I55	41-48-07 = 41.8	087-48-06 = -87.8
000016031504057	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 43	HARLEM AVE NB ILL	Toll On free road [3]	Features intersected SAN & SHIP CANAL		
Design - main Steel [3]	Design - approach Steel continuous [4]	Kilometerpoint 3314.5 km = 2055.0 mi	Year built 1931	Year reconstructed 1990	
1	Movable - Bascule [16]	3	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
		Historical significance Bridge is possibly eligible for the NRHP. [3]			
Total length 139.1 m = 456.4 ft	Length of maximum span 68.3 m = 224.1 ft	Deck width, out-to-out 22.2 m = 72.8 ft	Bridge roadway width, curb-to-curb 17.1 m = 56.1 ft		
Inventory Route, Total Horizontal Clearance 16.4 m = 53.8 ft	Curb or sidewalk width - left 2.4 m = 7.9 ft	Curb or sidewalk width - right 2.4 m = 7.9 ft			
Deck structure type	Closed Grating [4]				
Type of wearing surface	Epoxy Overlay [5]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.6 km = 0.4 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	34.2 metric ton = 37.6 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	54 metric ton = 59.4 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### 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 [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Superior to present desirable criteria [9]
Condition ratings - deck	Satisfactory [6]		
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	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	75.9
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	November 2008 [1108]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	December 2007 [1207]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	November 2008 [1108]
Other special inspection	Not needed [N]	Other special inspection date	

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**Basic Information**

Illinois [17]	Cook County [031]	Unknown [27987]	0.1 M N I-55	41-48-05 = 41.8	087-48-06 = -87.8
000016099126433	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 43	IL 43 SB HARLEM A	Toll On free road [3]	Features intersected SAN & SHIP CANAL		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 3306.5 km = 2050.0 mi	Year built 1966	Year reconstructed 1970	
1	Movable - Bascule [16]	3	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 136.8 m = 448.8 ft	Length of maximum span 76.4 m = 250.7 ft	Deck width, out-to-out 15.5 m = 50.9 ft	Bridge roadway width, curb-to-curb 12.8 m = 42.0 ft		
Inventory Route, Total Horizontal Clearance 12.8 m = 42.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 1.5 m = 4.9 ft			
Deck structure type	Closed Grating [4]				
Type of wearing surface	Epoxy Overlay [5]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.5 km = 0.3 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	36 metric ton = 39.6 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	59.4 metric ton = 65.3 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### 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

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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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="58.4"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="November 2008 [1108]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y60]"/>	Underwater inspection date	<input type="text" value="December 2007 [1207]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="November 2008 [1108]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>