

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

Illinois [17] Cook County [031] Chicago [14000] 3228 E 106TH STREET 41-42-09 = 41.7 087-32-44 = -87.5

000016604326832 Highway agency district 1 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route 1576 106TH ST Toll On free road [3] Features intersected CALUMET RIVER

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 111 km = 68.8 mi

1 Movable - Bascule [16] 4 Stringer/Multi-beam or girder [02] Year built 1928 Year reconstructed 1998

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 106.4 m = 349.1 ft Length of maximum span 76.2 m = 250.0 ft Deck width, out-to-out 18.9 m = 62.0 ft Bridge roadway width, curb-to-curb 11.6 m = 38.1 ft

Inventory Route, Total Horizontal Clearance 11.5 m = 37.7 ft Curb or sidewalk width - left 2.6 m = 8.5 ft Curb or sidewalk width - right 2.6 m = 8.5 ft

Deck structure type Closed Grating [4]

Type of wearing surface Other [9]

Deck protection

Type of membrane/wearing surface

**Weight Limits**

Bypass, detour length 0.3 km = 0.2 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	6500	Average daily truck traffi	10	%	Year	2006	Future average daily traffic	9788	Year	2021
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	11.6 m = 38.1 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	54.8 m = 179.8 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					Work to be done by contract [1]				
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	637000			Roadway improvement cost	64000				
	Length of structure improvement	106.4 m = 349.1 ft			Total project cost	956000				
	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 - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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. [6]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	93.1
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 2007 [1107]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2007 [1107]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	