

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] Blue Island [06704] 1 M S 127TH ST 41-39-19 = 41.6 087-39-38 = -87.6
 000016029404047 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 2857 ASHLAND AVE Toll On free road [3] Features intersected CAL SAG CHANNEL

Design - main Steel [3] Design - approach Prestressed concrete [5] Kilometerpoint 411.9 km = 255.4 mi
 1 Truss - Thru [10] 2 Stringer/Multi-beam or girder [02] Year built 1933 Year reconstructed 1998
 Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]

Total length 115.3 m = 378.3 ft Length of maximum span 76.2 m = 250.0 ft Deck width, out-to-out 19.3 m = 63.3 ft Bridge roadway width, curb-to-curb 13.4 m = 44.0 ft
 Inventory Route, Total Horizontal Clearance 13.4 m = 44.0 ft Curb or sidewalk width - left 1.7 m = 5.6 ft Curb or sidewalk width - right 1.7 m = 5.6 ft

Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Monolithic Concrete (concurrently placed with structural deck) [1]
 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 40.5 metric ton = 44.6 tons
 Method to determine operating rating Allowable Stress(AS) [2] Operating rating 65.7 metric ton = 72.3 tons
 Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	13200	Average daily truck traffi	8	%	Year	2006	Future average daily traffic	11745	Year	2021
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	4		Approach roadway width	12.2 m = 40.0 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	7.9 m = 25.9 ft		Navigation horizontal clearance	68.5 m = 224.7 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	4.47 m = 14.7 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 deck rehabilitation with only incidental widening. [36]	Bridge improvement cost	1533000		Roadway improvement cost	153000					
	Length of structure improvement	117.7 m = 386.2 ft		Total project cost	2529000					
	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	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
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	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	71.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	May 2008 [0508]	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	May 2008 [0508]
Other special inspection	Not needed [N]	Other special inspection date	