

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] Chicago [14000] 3400 S & 3200 W 41-49-55 = 41.8 087-42-16 = -87.7

000016608426641 Highway agency district 1 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route 2831 KEDZIE AVE Toll On free road [3] Features intersected SANITARY&SHIP CANAL

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 1811.7 km = 1123.3 mi

1 Girder and floorbeam system [03] 3 Girder and floorbeam system [03] Year built 1909 Year reconstructed 1969

Skew angle 22 Structure Flared

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

Total length 106.7 m = 350.1 ft Length of maximum span 45.3 m = 148.6 ft Deck width, out-to-out 15.8 m = 51.8 ft Bridge roadway width, curb-to-curb 14.6 m = 47.9 ft

Inventory Route, Total Horizontal Clearance 14.6 m = 47.9 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 Open Grating [3]

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 Load Factor(LF) [1] Inventory rating 17.1 metric ton = 18.8 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 27.9 metric ton = 30.7 tons

Bridge posting 00.1 - 09.9 % below [4] Design Load MS 18 / HS 20 [5]

### Functional Details

Average Daily Traffic	25000	Average daily truck traffi	17	%	Year	2006	Future average daily traffic	21465	Year	2021
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	4		Approach roadway width	14.6 m = 47.9 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	6.4 m = 21.0 ft		Navigation horizontal clearance	39.6 m = 129.9 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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1602000	Roadway improvement cost	160000						
	Length of structure improvement	112.2 m = 368.1 ft		Total project cost	2403000					
	Year of improvement cost estimate									
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

## Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Serious [3]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	34.4
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	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	October 2007 [1007]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	June 2009 [0609]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2007 [1007]
Other special inspection	Not needed [N]	Other special inspection date	