HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	13000 S. & 2050 E	41-39-33 = 41.6	087-34-22 = -87.5

000016608919807	Highway agency district: 1	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		

Route: 344		130TH ST	Toll: On free road [3]	Features intersected: LITTLE CALUMET RIVER	

Design - main: Steel [3]		Design - approach: Steel [3]		Kilometerpoint: 5398.2 km = 3346.9 mi	
1	Truss - Thru [10]	2	Girder and floorbeam system [03]	Year built: 1949	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 112.5 m = 369.1 ft	Length of maximum span: 70.1 m = 230.0 ft	Deck width, out-to-out: 20.7 m = 67.9 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: 2.3 m = 7.5 ft	Curb or sidewalk width - right: 2.3 m = 7.5 ft	
Deck structure type: Concrete Cast-in-Place [1]			
Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]			
Deck protection: Unknown [8]			
Type of membrane/wearing surface:			

Weight Limits

Bypass, detour length: 0 km = 0.0 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	19600	Average daily truck traffi	16 %	Year	2006	Future average daily traffic	28215
Year	2021						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	4	Approach roadway width	13.4 m = 44.0 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	Railroad-waterway [7]	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	8.5 m = 27.9 ft	Navigation horizontal clearance	66.7 m = 218.8 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	6.71 m = 22.0 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]						
Minimum lateral underclearance on right	6.7 m = 22.0 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	99.99 m = 328.1 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Superior to present desirable criteria [9]						

Repair and Replacement Plans

Type of work to be performed

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	1429000	Roadway improvement cost	143000
Length of structure improvement	118 m = 387.2 ft	Total project cost	2144000
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 - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	63
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	November 2009 [1109]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	July 2009 [0709]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	