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]	Maywood [47774]	1.5 M W IL 43	41-53-18 = 41.8	087-49-58 = -87.8

000016059704269	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 3537		US 20 (LAKE ST)	Toll: On free road [3]	Features intersected: DES PLAINES RIVER	

Design - main: Concrete [1]		Design - approach		Kilometerpoint: 765.9 km = 474.9 mi	
3	Arch - Deck [11]	0	Other [00]	Year built: 1931	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 68.6 m = 225.1 ft	Length of maximum span: 16.8 m = 55.1 ft	Deck width, out-to-out: 19.1 m = 62.7 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: 1.5 m = 4.9 ft	Curb or sidewalk width - right: 1.5 m = 4.9 ft			
Deck structure type: Concrete Cast-in-Place [1]					
Type of wearing surface: Monolithic Concrete (concurrently placed with structural deck) [1]					
Deck protection: Epoxy Coated Reinforcing [1]					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 0.1 km = 0.1 mi	Method to determine inventory rating: Allowable Stress(AS) [2]		Inventory rating: 24.3 metric ton = 26.7 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 32.4 metric ton = 35.6 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	14600	Average daily truck traffi	5 %	Year	2006	Future average daily traffic	17820
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 vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
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

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	1514000	Roadway improvement cost	151000
Length of structure improvement	67.7 m = 222.1 ft	Total project cost	2271000
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 - superstructur	Good [7]	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 assessed or calculated scour condition. [5]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	72.5
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	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	March 2010 [0310]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	March 2006 [0306]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	