

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

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]	Kane County [089]	Aurora [03012]	STOLP ISLAND	41-45-30 = 41.7	088-18-55 = -88.3
000045005610319	Highway agency district 1	Owner City or Municipal Highway Agency [04]	Maintenance responsibility City or Municipal Highway Agency [04]		
Route 1521		GALENA BLVD	Toll On free road [3]	Features intersected FOX RIVER, W CHANNEL	
Design - main Concrete [1]	Design - approach		Kilometerpoint 1074.8 km = 666.4 mi		
2	Arch - Deck [11]	0 Other [00]	Year built 1926	Year reconstructed 1996	
			Skew angle 6	Structure Flared	
			Historical significance	Bridge is possibly eligible for the NRHP. [3]	
Total length 51.8 m = 170.0 ft	Length of maximum span 24.4 m = 80.1 ft	Deck width, out-to-out 18.6 m = 61.0 ft	Bridge roadway width, curb-to-curb 12.6 m = 41.3 ft		
Inventory Route, Total Horizontal Clearance 17 m = 55.8 ft	Curb or sidewalk width - left 2.8 m = 9.2 ft	Curb or sidewalk width - right 1.8 m = 5.9 ft			
Deck structure type	Not applicable [N]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.1 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	33.3 metric ton = 36.6 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	12300	Average daily truck traffi	8	%	Year	2006	Future average daily traffic	21195	Year	2021
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	3		Approach roadway width	13.2 m = 43.3 ft			
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		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

Work done by

Bridge improvement cost

0

Roadway improvement cost

0

Length of structure improvement

0 m = 0.0 ft

Total project cost

0

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	Good [7]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Very Good [8]		
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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection		Sufficiency rating	74.7
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
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	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	