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]	Kane County [089]	Aurora [03012]	1200 FT W ILL RTE 25	41-45-24 = 41.7	088-19-06 = -88.3

000045600127926	Highway agency district: 1	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		

Route: 1085		BENTON STREET	Toll: On free road [3]	Features intersected: FOX RIVER W. BRANCH	

Design - main: Concrete [1]		Design - approach:		Kilometerpoint: 30.6 km = 19.0 mi	
3	Arch - Deck [11]	0	Other [00]	Year built: 1924	Year reconstructed: 1996
				Skew angle: 14	Structure Flared:
				Historical significance: Bridge is possibly eligible for the NRHP. [3]	

Total length: 53 m = 173.9 ft	Length of maximum span: 17.1 m = 56.1 ft	Deck width, out-to-out: 18.4 m = 60.4 ft	Bridge roadway width, curb-to-curb: 12.2 m = 40.0 ft		
Inventory Route, Total Horizontal Clearance: 12.1 m = 39.7 ft	Curb or sidewalk width - left: 2.7 m = 8.9 ft	Curb or sidewalk width - right: 2.7 m = 8.9 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: 0.3 km = 0.2 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: MS 13.5 / HS 15 [3]		

Functional Details

Average Daily Traffic	8509	Average daily truck traffi	0 %	Year	2000	Future average daily traffic	10200
Year	2021						
Road classification	Local (Urban) [19]	Lanes on structure	4	Approach roadway width	12.2 m = 40.0 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 - superstructur	Good [7]	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	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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	71.8

Culverts	Not applicable. Used if structure is not a culvert. [N]
Traffic safety features - railings	
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	Inpected 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	