

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Lake County [097]	Lake Forest [41105]	WALDEN AT WESTLEIH	42-13-58 = 42.2	087-49-17 = -87.8
49685928157	Highway agency district	1	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility
					City or Municipal Highway Agency [04]
Route	4080		WALDEN LANE	Toll	On free road [3]
				Features intersected	RAVINE
Design - main	Steel [3]	Design - approach		Kilometerpoint	48.3 km = 29.9 mi
1	Other [00]	0	Other [00]	Year built	1914
				Year reconstructed	1995
				Skew angle	30
				Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]
Total length	36 m = 118.1 ft	Length of maximum span	25.9 m = 85.0 ft	Deck width, out-to-out	6.2 m = 20.3 ft
				Bridge roadway width, curb-to-curb	5.2 m = 17.1 ft
Inventory Route, Total Horizontal Clearance	5.1 m = 16.7 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 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	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	32.4 metric ton = 35.6 tons
0 km = 0.0 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	44.1 metric ton = 48.5 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	100	Average daily truck traffi		%	Year	2000	Future average daily traffic	111	Year	2032
Road classification	Local (Urban) [19]			Lanes on structure	2		Approach roadway width	5.8 m = 19.0 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	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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - superstructure	<input type="text" value="Good [7]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - substructure	<input type="text" value="Good [7]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="87.5"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="March 2012 [0312]"/>	Designated inspection frequency	<input type="text" value="48"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>