

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]	Unknown [34772]	0.2M E LK MICHIGAN	42-10-01 = 42.1	087-46-14 = -87.7
49658227133	Highway agency district	1	Owner	City or Municipal Highway Agency [04]	Maintenance responsibility
					City or Municipal Highway Agency [04]
Route	4098		ROGER WILLIAMS	Toll	On free road [3]
				Features intersected	RAVINE
Design - main	Concrete continuous [2]	Design - approach		Kilometerpoint	19.3 km = 12.0 mi
3	Tee beam [04]	0	Other [00]	Year built	1915
				Year reconstructed	1982
				Skew angle	0
				Structure Flared	Yes, flared [1]
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	63.4 m = 208.0 ft	Length of maximum span	19.5 m = 64.0 ft	Deck width, out-to-out	8.8 m = 28.9 ft
				Bridge roadway width, curb-to-curb	5.5 m = 18.0 ft
Inventory Route, Total Horizontal Clearance	5.4 m = 17.7 ft	Curb or sidewalk width - left	1.4 m = 4.6 ft	Curb or sidewalk width - right	1.4 m = 4.6 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection	Polymer Impregnated [6]				
Type of membrane/wearing surface	Unknown [8]				

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	24.3 metric ton = 26.7 tons
0 km = 0.0 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	33.3 metric ton = 36.6 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	

Functional Details

Average Daily Traffic	6900	Average daily truck traffi	0	%	Year	2004	Future average daily traffic	7680	Year	2032
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 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	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	637000	Roadway improvement cost	64000
	Length of structure improvement	76.2 m = 250.0 ft	Total project cost	956000
	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 - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
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 protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	62.5
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	June 2010 [0610]	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	