

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

Minnesota [27]	Winona County [169]	Winona [71032]	AT E COUNTY LINE	44-03-34 = 44.059444	091-37-55 = - 91.631944
4260	Highway agency district 6	Owner City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route 154	MUN 154	Toll On free road [3]	Features intersected	N CHANNEL MISS RIVER	
Design - main 13	Concrete continuous [2] Arch - Deck [11]	Design - approach 11	Concrete [1] Other [00]	Kilometerpoint 0 km = 0.0 mi	Year built 1916 Year reconstructed 2003
				Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length	371.9 m = 1220.2 ft	Length of maximum span	21.9 m = 71.9 ft	Deck width, out-to-out	7.5 m = 24.6 ft
Inventory Route, Total Horizontal Clearance	5.3 m = 17.4 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	1.5 m = 4.9 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Low slump Concrete [4]				
Deck protection	Not applicable (applies only to structures with no deck) [N]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	2.2 metric ton = 2.4 tons
15.9 km = 9.9 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	3.6 metric ton = 4.0 tons
	Bridge posting		Design Load	

Functional Details

Average Daily Traffic	40	Average daily truck traffi		%	Year	1989	Future average daily traffic	40	Year	2029
Road classification	Local (Urban) [19]			Lanes on structure	1		Approach roadway width	7.3 m = 24.0 ft		
Type of service on bridge	Highway-pedestrian [5]			Direction of traffic	One lane bridge for 2 - way traffic [3]		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	30.48 m = 100.0 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	4441000	Roadway improvement cost	25000
	Length of structure improvement	372 m = 1220.5 ft	Total project cost	278000
	Year of improvement cost estimate	2011		
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - deck	Good [7]		
Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]		
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	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	27.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	April 2011 [0411]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	April 2011 [0411]
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	