

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Minnesota [27]	Winona County [169]	Winona [71032]	2.8 MI N OF JCT TH 61	44-03-27 = 44.057500	091-38-23 = - 91.639722
5900	Highway agency district 6	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 43	TH 43	Toll On free road [3]	Features intersected MISS RVR, RR, STREETS		
Design - main Steel continuous [4]	Design - approach Steel continuous [4]	Kilometerpoint 0 km = 0.0 mi	Year built 1941	Year reconstructed 1985	
3	Truss - Thru [10]	21	Other [00]	Skew angle 0	Structure Flared
			Historical significance Bridge is eligible for the NRHP. [2]		
Total length 695.4 m = 2281.6 ft	Length of maximum span 137.2 m = 450.2 ft	Deck width, out-to-out 10.5 m = 34.5 ft	Bridge roadway width, curb-to-curb 9.4 m = 30.8 ft		
Inventory Route, Total Horizontal Clearance 9.4 m = 30.8 ft	Curb or sidewalk width - left 1.5 m = 4.9 ft			Curb or sidewalk width - right 1.4 m = 4.6 ft	
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 10.5 km = 6.5 mi	Method to determine inventory rating Allowable Stress(AS) [2]	Inventory rating 18.6 metric ton = 20.5 tons
	Method to determine operating rating Allowable Stress(AS) [2]	Operating rating 35.3 metric ton = 38.8 tons
Bridge posting Equal to or above legal loads [5]	Design Load MS 13.5 / HS 15 [3]	

Functional Details

Average Daily Traffic	11900	Average daily truck traffi	4	%	Year	2004	Future average daily traffic	11900	Year	2029
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	2		Approach roadway width	9.4 m = 30.8 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway-waterway-railroad [Lanes under structure	6		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	19.2 m = 63.0 ft			Navigation horizontal clearance	133.5 m = 438.0 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	5.46 m = 17.9 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.7 m = 8.9 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.24 m = 13.9 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]									

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	13141000	Roadway improvement cost			
	Length of structure improvement	695 m = 2280.3 ft	Total project cost	27400000		
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Fair [5]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	24.3
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
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 2010 [0510]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	May 2010 [0510]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2010 [0510]
Other special inspection	Every two years [Y24]	Other special inspection date	June 2010 [0610]