## HistoricBridges.org - National Bridge Inventory Data Sheet

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							44-53-05 =	093-10-25 = -
Minnesota [27] Dakota County [037]		Mendota Heights [41696] 0.5 MI SE OF JCT TH 5			44-33-03 = 44.884722	93.173611		
4190 Highway agency district 5		Owner State Highway Agency [01] Maintenance responsibility		State Highway Agency [01]				
Route 55	7	TH 55	Toll On free r	road [3] Fe	atures interse	ected MINN RIVER	R, RR, STREET	
Design - Concrete cormain  13 Arch - Deck [		Design - approach  6 Other [	Y (00) S	ilometerpoint 0 km  'ear built 1926  ikew angle 0  listorical significance	Structure	econstructed 1992 Flared is on the NRHP. [1		
<u> </u>	= 4113.4 ft	Length of maximum spa		Deck width, out-to-out			•	21.6 m = 70.9 ft
Inventory Route, Total Horizontal Clearance 10.8 m = 35.4 ft  Deck structure type Concrete Cast-in-Place			Curb or sidewalk width	n - left 2.4 m = 7.9	π	Curb or side	walk width - right	1.2 m = 3.9 ft
Type of wearing surface Low slump Concrete		4]						
Deck protection Epoxy Coated Reinfo		cing [1]						
Type of membrane/wea	ring surface							
Weight Limits								
Bypass, detour length Method to determine inventory rating			Load Factor(LF) [1]	Inve	ntory rating	52.3 metric ton =	= 57.5 tons	
0.5 km = 0.3 mi  Method to determine operating rating			Load Factor(LF) [1]	Ope	rating rating	86.5 metric ton =	= 95.2 tons	
	Bridge postir	Equal to or above le	gal loads [5]	Desi	ign Load M	S 22.5 / HS 25 [9]		

Functional Details									
Average Daily Traffic 42500 Average daily tr	uck traffi 4 % Year 2004 Future average daily traffic 42500 Year 2029								
Road classification Principal Arterial - Other Freeways or Exp Lanes on structure 4 Approach roadway width 22.3 m = 73.2 ft									
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - way traffic [2]  Bridge median Closed median with non-mountable bar								
Parallel structure designation No parallel structure exists. [N]									
Type of service under bridge Highway-waterway-railroad [ Lanes under structure 2 Navigation control Navigation control on waterway (bridge permit required)									
Navigation vertical clearance 30.5 m = 100.1 ft Navigation horizontal clearance 67.1 m = 220.2 ft									
Minimum navigation vertical clearance, vertical lift bridge  Minimum vertical clearance over bridge roadway  30.48 m = 100.0 ft									
Minimum lateral underclearance reference feature Highway beneath structure [H]									
Minimum lateral underclearance on right 6.4 m = 21.0 ft  Minimum lateral underclearance on left 0 = N/A									
Minimum Vertical Underclearance 5.4 m = 17.7 ft Minimum vertical underclearance reference feature Highway beneath structure [H]									
Appraisal ratings - underclearances Superior to present desirable criteria [9]									
Repair and Replacement Plans									
Type of work to be performed	Work done by								
	Bridge improvement cost Roadway improvement cost								
	Length of structure improvement Total project cost								
	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 res	striction [A]	Appraisal ratings - structural	Better than present minimum criteria [7]					
Condition ratings - superstructur Good [7]		Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]					
Condition ratings - substructure	Good [7]	Appraisal ratings -	Better than present minimum criteria [7]					
Condition ratings - deck	Good [7]	deck geometry						
Scour		Bridge foundations determined to be stable for assessed or calculated scour condition. [5]						
Channel and channel protection		Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage.  Banks and/or channel have minor amounts of drift. [7]						
Appraisal ratings - water adequate	Superior to pres	ent desirable criteria [9]	Status evaluation					
Pier or abutment protection	Navigation prote	ction not required [1]	Sufficiency rating 84.4					
Culverts Not applicable. Used	if structure is not a culve	rt. [N]						
Traffic safety features - railings		Inpected feature meets currently acce	ture meets currently acceptable standards. [1]					
Traffic safety features - transition	าร	Inpected feature meets currently acce	ceptable standards. [1]					
Traffic safety features - approach	h guardrail	Inpected feature meets currently acce	ceptable standards. [1]					
Traffic safety features - approach	h guardrail ends	Inpected feature meets currently acceptable standards. [1]						
Inspection date August 2010	Des Des	gnated inspection frequency 24	4 Months					
Underwater inspection	Unknown [Y60]	Underwater inspec	August 2010 [0810]					
Fracture critical inspection	Unknown [N00]	Fracture critical in:	inspection date					
Other special inspection	Not needed [N]	Other special insp	spection date					