

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]	Ramsey County [123]	St. Paul [58000]	0.1 MI N OF JCT MSAS 122	44-58-36 = 44.976667	093-08-48 = - 93.146667
92247	Highway agency district 5	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 51	CSAH 51(LEXINGTON)	Toll On free road [3]	Features intersected	RECREATIONAL TRAIL	
Design - main Concrete [1]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1903	Year reconstructed #Num!	
1	Arch - Deck [11]	0 Other [00]	Skew angle 0	Structure Flared	
			Historical significance	Bridge is on the NRHP. [1]	
Total length 14.3 m = 46.9 ft	Length of maximum span 11.8 m = 38.7 ft	Deck width, out-to-out 16.2 m = 53.2 ft	Bridge roadway width, curb-to-curb	11.1 m = 36.4 ft	
Inventory Route, Total Horizontal Clearance 11.1 m = 36.4 ft	Curb or sidewalk width - left 2.1 m = 6.9 ft	Curb or sidewalk width - right		2 m = 6.6 ft	
Deck structure type	Not applicable [N]				
Type of wearing surface	Bituminous [6]				
Deck protection	Not applicable (applies only to structures with no deck) [N]				
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.2 km = 0.1 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	99.8 metric ton = 109.8 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	99.8 metric ton = 109.8 tons
Bridge posting	Equal to or above legal loads [5]	Design Load		

### Functional Details

Average Daily Traffic	14342	Average daily truck traffi		%	Year	2008	Future average daily traffic	14400	Year	2029
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2	Approach roadway width	11 m = 36.1 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	Pedestrian-bicycle [3]		Lanes under structure	0	Navigation control	Not applicable, no waterway. [N]				
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	288000	Roadway improvement cost							
	Length of structure improvement	20 m = 65.6 ft	Total project cost							
	Year of improvement cost estimate	2006								
	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

Fair [5]

Appraisal ratings -  
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Good [7]

Appraisal ratings -  
deck geometry

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - deck

Not Applicable [N]

Scour

Bridge not over waterway. [N]

Channel and channel protection

Not applicable. [N]

Appraisal ratings - water adequacy

N/A [N]

Status evaluation

Pier or abutment protection

Sufficiency rating

82.4

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

Not applicable or a safety feature is not required. [N]

Inspection date

October 2011 [1011]

Designated inspection frequency

12

Months

Underwater inspection

Unknown [N00]

Underwater inspection date

Fracture critical inspection

Unknown [N00]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date