

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] Ramsey County [123] St. Paul [58000] 0.1 MI SW OF W JCT TH 61 44-57-24 = 44.956667 093-04-36 = - 93.076667

90386 Highway agency district 5 Owner Other Local Agencies [25] Maintenance responsibility Other Local Agencies [25]

Route 5 TH 5 East 7th St Toll On free road [3] Features intersected RCRRA

Design - main Masonry [8] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

2 Culvert [19] 0 Other [00] Year built 1885 Year reconstructed #Num!

Skew angle 20 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 27.4 m = 89.9 ft Length of maximum span 13.9 m = 45.6 ft Deck width, out-to-out 0 m = 0.0 ft Bridge roadway width, curb-to-curb 0 m = 0.0 ft

Inventory Route, Total Horizontal Clearance 17 m = 55.8 ft Curb or sidewalk width - left 3 m = 9.8 ft Curb or sidewalk width - right 3.2 m = 10.5 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 29.4 metric ton = 32.3 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 44.1 metric ton = 48.5 tons

Bridge posting Equal to or above legal loads [5] Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	24300	Average daily truck traffi	3	%	Year	2008	Future average daily traffic	22000	Year	2029
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	4	Approach roadway width	17.7 m = 58.1 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	Railroad [2]		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	Railroad beneath structure [R]									
Minimum lateral underclearance on right	2.4 m = 7.9 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	6.37 m = 20.9 ft			Minimum vertical underclearance reference feature	Railroad beneath structure [R]					
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]									

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	518000	Roadway improvement cost	125000		
	Length of structure improvement	33 m = 108.3 ft		Total project cost	1888000	
	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	Not Applicable [N]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Not Applicable [N]	Appraisal ratings - deck geometry	N/A [N]
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	66.8
Culverts	Moderate to major deterioration or disintegration, extensive cracking and leaching or spalls on concrete or masonry walls and slabs. Minor settlement or misalignment. Noticeable scouring or erosion at curtain walls, wingwalls or pipes. Metal culverts have significant distortion and deflection in one section, significant corrosion or deep pitting. [5]		
Traffic safety features - railings	Not applicable or a safety feature is not required. [N]		
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	August 2011 [0811]	Designated inspection frequency	24 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	