

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] Hennepin County [053] Minneapolis [43000] 0.3 MI W OF COUNTY LINE 44-55-08 = 44.918889 093-12-23 = - 93.206389

90585 Highway agency district 5 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 46 CSAH 46(E 46TH ST) Toll On free road [3] Features intersected STR 1203(GODFREY RD)

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

3 Girder and floorbeam system [03] 0 Other [00] Year built 1925 Year reconstructed #Num!

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 23.4 m = 76.8 ft Length of maximum span 12.8 m = 42.0 ft Deck width, out-to-out 19.6 m = 64.3 ft Bridge roadway width, curb-to-curb 15.2 m = 49.9 ft

Inventory Route, Total Horizontal Clearance 15.2 m = 49.9 ft Curb or sidewalk width - left 1.8 m = 5.9 ft Curb or sidewalk width - right 1.8 m = 5.9 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Low slump Concrete [4]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 1 km = 0.6 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 22.7 metric ton = 25.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 51.1 metric ton = 56.2 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	15600	Average daily truck traffi		%	Year	2005	Future average daily traffic	15600	Year	2029
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	4	Approach roadway width	15.2 m = 49.9 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, with or without ped		Lanes under structure	2	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	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.1 m = 6.9 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.33 m = 14.2 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
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]		
Bridge deck rehabilitation with only incidental widening. [36]	Bridge improvement cost	750000	Roadway improvement cost	0
	Length of structure improvement	28 m = 91.9 ft	Total project cost	0
	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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge not over waterway. [N]"/>		
Channel and channel protection	<input type="text" value="Not applicable. [N]"/>		
Appraisal ratings - water adequacy	<input type="text" value="N/A [N]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="42.4"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="May 2011 [0511]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Unknown [N00]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Unknown [N00]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>