HistoricBridges.org - National Bridge Inventory Data Sheet

2012 Inventory

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

Minnesota [27]	Hennepin County [053]	Minneapolis [43000]	0.3 MI N OF WASH AVE	44-58-50 = 44.980556	093-14-34 = -93.242778

2796	Highway agency district: 5	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		
Route: 328		CEDAR (10TH)	Toll: On free road [3]	Features intersected: MISS R; BNSF & STS	

Design - main	Concrete [1]	Design - approach	Prestressed concrete [5]	Kilometerpoint	0 km = 0.0 mi
7	Arch - Deck [11]	14	Other [00]	Year built: 1929	Year reconstructed: #Num!
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is on the NRHP. [1]

Total length	656.2 m = 2153.0 ft	Length of maximum span	88.5 m = 290.4 ft	Deck width, out-to-out	20.8 m = 68.2 ft	Bridge roadway width, curb-to-curb	16.9 m = 55.4 ft
Inventory Route, Total Horizontal Clearance	16.9 m = 55.4 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	2.4 m = 7.9 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Low slump Concrete [4]
Deck protection	Not applicable (applies only to structures with no deck) [N]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	20 metric ton = 22.0 tons	
0.2 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	33.7 metric ton = 37.1 tons	
	Bridge posting	00.1 - 09.9 % below [4]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	24452	Average daily truck traffi		%	Year 2007	Future average daily traffic 24452	Year 2029

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	4	Approach roadway width	23.2 m = 76.1 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	Highway-waterway-railroad [	Lanes under structure	6	Navigation control	Navigation control on waterway (bridge permit required). [1]
Navigation vertical clearanc	27.4 m = 89.9 ft	Navigation horizontal clearance	80.8 m = 265.1 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	1.3 m = 4.3 ft	Minimum lateral underclearance on left	0 = N/A		
Minimum Vertical Underclearance	4.82 m = 15.8 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

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	Posted for load [P]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge is scour critical; field review indicates that extensive scour has occurred at bridge foundations. [2]
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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	52.1

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	September 2011 [0911]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2011 [0911]
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	