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]	Ramsey County [123]	Roseville [55852]	1.0 Mi East of Jct TH 51	45-00-37 = 45.010278	093-08-48 = -93.146667

5723	Highway agency district 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 36		TH 36	Toll: On free road [3]	Features intersected: LEXINGTON AVE(CSAH 51)	

Design - main: Concrete [1]		Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Frame [07]	0	Other [00]	Year built: 1938	Year reconstructed: #Num!
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 19.5 m = 64.0 ft	Length of maximum span: 19.5 m = 64.0 ft	Deck width, out-to-out: 22.3 m = 73.2 ft	Bridge roadway width, curb-to-curb: 18.3 m = 60.0 ft
Inventory Route, Total Horizontal Clearance: 19.5 m = 64.0 ft	Curb or sidewalk width - left: 0.9 m = 3.0 ft	Curb or sidewalk width - right: 0.9 m = 3.0 ft	

Deck structure type	Concrete Cast-in-Place [1]
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 km = 0.0 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 39.2 metric ton = 43.1 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 65.3 metric ton = 71.8 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	85000	Average daily truck traffi	3 %	Year	2004	Future average daily traffic	85000
Year	2029						
Road classification	Principal Arterial - Other Freeways or Exp	Lanes on structure	4	Approach roadway width	25 m = 82.0 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, with or without ped	Lanes under structure	3	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	1.8 m = 5.9 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.45 m = 14.6 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	805000	Roadway improvement cost	66000
Length of structure improvement	23 m = 75.5 ft	Total project cost	994000
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	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	61
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	May 2011 [0511]	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	