HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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

Iowa [19]	Webster County [187]	Unknown [00000]	883001	42-28-20 = 42.472222	094-17-30 = -94.291667

342800	Highway agency district: 1	Owner: Railroad [27]	Maintenance responsibility: Railroad [27]		
Route: 0		FM	Toll: On free road [3]	Features intersected: OVER UP RR	
Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1925	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is possibly eligible for the NRHP. [3]	

Total length: 23.8 m = 78.1 ft	Length of maximum span: 23.2 m = 76.1 ft	Deck width, out-to-out: 6.9 m = 22.6 ft	Bridge roadway width, curb-to-curb: 6.4 m = 21.0 ft				
Inventory Route, Total Horizontal Clearance: 6.4 m = 21.0 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft					
Deck structure type: Wood or Timber [8]							
Type of wearing surface: Gravel [8]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length: 0.8 km = 0.5 mi	Method to determine inventory rating: Allowable Stress(AS) [2]		Inventory rating: 19.6 metric ton = 21.6 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 32 metric ton = 35.2 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load:		

Functional Details

Average Daily Traffic	90	Average daily truck traffi	16 %	Year	2007	Future average daily traffic	149	Year	2027

Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	10.1 m = 33.1 ft
Type of service on bridge	Highway [1]	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	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	99.99 m = 328.1 ft		
Minimum lateral underclearance reference feature	Railroad beneath structure [R]				
Minimum lateral underclearance on right	0 = N/A	Minimum lateral underclearance on left	0 = N/A		
Minimum Vertical Underclearance	6.43 m = 21.1 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]		
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]				

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	338000	Roadway improvement cost	34000
Length of structure improvement	38.1 m = 125.0 ft	Total project cost	506000
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 - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
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	Fair [5]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	53
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			

Inspection date	November 2007 [1107]	Designated inspection frequency	24	Months	
Underwater inspection	Unknown [N00]			Underwater inspection date	
Fracture critical inspection	Every two years [Y24]			Fracture critical inspection date	November 2007 [1107]
Other special inspection	Unknown [N00]			Other special inspection date	