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

Iowa [19]	Tama County [171]	Unknown [00000]	82141303	41-55-13 = 41.920278	092-26-01 = -92.433611

316740 | Highway agency district: 0 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 0 | | FM | Toll: On free road [3] | Features intersected: IOWA RIVER

Design - main	Steel [3]	Design - approach	Wood or timber [7]	Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	1	Stringer/Multi-beam or girder [02]	Year built: 1914	Year reconstructed: 1972
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is possibly eligible for the NRHP. [3]

Total length: 76.2 m = 250.0 ft | Length of maximum span: 51.2 m = 168.0 ft | Deck width, out-to-out: 4.7 m = 15.4 ft | Bridge roadway width, curb-to-curb: 4.5 m = 14.8 ft

Inventory Route, Total Horizontal Clearance: 4.4 m = 14.4 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: Wood or Timber [7]

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: 0 metric ton = 0.0 tons

Method to determine operating rating: Allowable Stress(AS) [2] | Operating rating: 3.8 metric ton = 4.2 tons

Bridge posting: | Design Load:

Functional Details

Average Daily Traffic	60	Average daily truck traffi	22 %	Year	2009	Future average daily traffic	60
Year	2031						
Road classification	Minor Collector (Rural) [08]	Lanes on structure	1	Approach roadway width	7 m = 23.0 ft		
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	Bridge median			
Parallel structure designation	No parallel structure exists. [N]						
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control			
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	4.65 m = 15.3 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	0 = N/A	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	0 = N/A	Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]				
Appraisal ratings - underclearances	N/A [N]						

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	809000	Roadway improvement cost	81000
Length of structure improvement	284 m = 931.8 ft	Total project cost	
Year of improvement cost estimate	2007		
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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructur	Serious [3]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Equal to present minimum criteria [6]
Condition ratings - deck	Serious [3]		
Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	16
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	October 2011 [1011]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2011 [1011]
Other special inspection	Every year [Y12]	Other special inspection date	October 2011 [1011]