

The National Bridge Inventory contains data submitted by state transportation 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] Humboldt County [091] Unknown [00000] 922934 42-44-20 = 42.738889 094-15-10 = - 94.252778

184870 Highway agency district 2 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 LOCAL Toll On free road [3] Features intersected DES MOINES RIVER

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 6 Stringer/Multi-beam or girder [02] Year built 1899 Year reconstructed 2004

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 77.1 m = 253.0 ft Length of maximum span 51.8 m = 170.0 ft Deck width, out-to-out 4.8 m = 15.7 ft Bridge roadway width, curb-to-curb 4.6 m = 15.1 ft

Inventory Route, Total Horizontal Clearance 4.6 m = 15.1 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 0.3 km = 0.2 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 8.9 metric ton = 9.8 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 8.9 metric ton = 9.8 tons

Bridge posting Design Load

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

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

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

Equal to present desirable criteria [8]

Condition ratings - substructure

Satisfactory [6]

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 foundations determined to be stable for the assessed or calculated scour condition. [8]

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

Equal to present minimum criteria [6]

Status evaluation

Pier or abutment protection

Sufficiency rating

23.9

Culverts

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

Traffic safety features - railings

Inspected feature meets currently acceptable standards. [1]

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

November 2008 [1108]

Designated inspection frequency

24

Months

Underwater inspection

Unknown [N00]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

November 2008 [1108]

Other special inspection

Unknown [N00]

Other special inspection date