

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

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] | Dubuque County [061] | Unknown [00000] | 8.7E+232 | 42-18-10 = 42.302778 | 090-46-50 = - 90.780556 |
| 145870 | Highway agency district 6 | Owner County Highway Agency [02] | Maintenance responsibility | County Highway Agency [02] | |
| Route 0 | LOCAL | Toll On free road [3] | Features intersected PRAIRIE CREEK | | |
| Design - main 1 | Steel [3] | Design - approach 0 | Other [00] | Kilometerpoint 0 km = 0.0 mi | |
| | Truss - Thru [10] | | | Year built #Num! | Year reconstructed N/A [0000] |
| | | | | Skew angle 0 | Structure Flared |
| | | | | Historical significance Bridge is eligible for the NRHP. [2] | |
| Total length 34.8 m = 114.2 ft | Length of maximum span 34.5 m = 113.2 ft | Deck width, out-to-out 4.6 m = 15.1 ft | Bridge roadway width, curb-to-curb 4.2 m = 13.8 ft | | |
| Inventory Route, Total Horizontal Clearance 4.2 m = 13.8 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 km = 0.0 mi | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating 9.9 metric ton = 10.9 tons |
| | Method to determine operating rating | Allowable Stress(AS) [2] | Operating rating 15.3 metric ton = 16.8 tons |
| Bridge posting | | Design Load | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---|------|--|------------------------------|----|------|------|
| Average Daily Traffic | 10 | Average daily truck traffi | 0 | % | Year | 2005 | Future average daily traffic | 36 | Year | 2027 |
| Road classification | Local (Rural) [09] | | Lanes on structure | 1 | | Approach roadway width | 4.3 m = 14.1 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 | 4.88 m = 16.0 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 | Work done by | Work to be done by contract [1] | | |
| Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31] | Bridge improvement cost | 140000 | Roadway improvement cost | 1000 |
| | Length of structure improvement | 44.8 m = 147.0 ft | Total project cost | 150000 |
| | Year of improvement cost estimate | | | |
| | Border bridge - state | | Border bridge - percent responsibility of other state | |
| | Border bridge - structure number | | | |

Inspection and Sufficiency

| | | | |
|---|---|---------------------------------------|--|
| Structure status | <input type="text" value="Posted for load [P]"/> | Appraisal ratings - structural | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/> |
| Condition ratings - superstructure | <input type="text" value="Satisfactory [6]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/> |
| Condition ratings - substructure | <input type="text" value="Good [7]"/> | Appraisal ratings - deck geometry | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - deck | <input type="text" value="Satisfactory [6]"/> | | |
| Scour | <input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/> | | |
| Channel and channel protection | <input type="text" value="Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/> | | |
| Appraisal ratings - water adequacy | <input type="text" value="Better than present minimum criteria [7]"/> | Status evaluation | <input type="text" value="Structurally deficient [1]"/> |
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="43.3"/> |
| Culverts | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/> | | |
| Traffic safety features - railings | <input type="text"/> | | |
| Traffic safety features - transitions | <input type="text"/> | | |
| Traffic safety features - approach guardrail | <input type="text"/> | | |
| Traffic safety features - approach guardrail ends | <input type="text"/> | | |
| Inspection date | <input type="text" value="April 2007 [0407]"/> | Designated inspection frequency | <input type="text" value="24"/> Months |
| Underwater inspection | <input type="text" value="Unknown [N00]"/> | Underwater inspection date | <input type="text"/> |
| Fracture critical inspection | <input type="text" value="Every year [Y12]"/> | Fracture critical inspection date | <input type="text" value="April 2007 [0407]"/> |
| Other special inspection | <input type="text" value="Unknown [N00]"/> | Other special inspection date | <input type="text"/> |