

# 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]                                   | Jasper County [099]            | Unknown [00000]                  | 801826                                          | 41-42-50 =<br>41.713889                                                  | 092-54-40 = -<br>92.911111                 |
| 197890                                      | Highway agency district 1      | Owner County Highway Agency [02] | Maintenance responsibility                      | County Highway Agency [02]                                               |                                            |
| Route 0                                     | LOCAL                          | Toll On free road [3]            | Features intersected NORTH SKUNK RIVER          |                                                                          |                                            |
| Design - main<br>1                          | Steel [3]<br>Truss - Thru [10] | Design - approach<br>4           | Steel [3]<br>Stringer/Multi-beam or girder [02] | Kilometerpoint<br>0 km = 0.0 mi                                          | Year built 1898<br>Year reconstructed 1975 |
|                                             |                                |                                  |                                                 | Skew angle 0                                                             | Structure Flared                           |
|                                             |                                |                                  |                                                 | Historical significance<br>Bridge is possibly eligible for the NRHP. [3] |                                            |
| Total length                                | 73.2 m = 240.2 ft              | Length of maximum span           | 30.5 m = 100.1 ft                               | Deck width, out-to-out                                                   | 4.9 m = 16.1 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<br>0.5 km = 0.3 mi | Method to determine inventory rating | No rating analysis performed [5] | Inventory rating | 0 metric ton = 0.0 tons |
|                                          | Method to determine operating rating | No rating analysis performed [5] | Operating rating | 0 metric ton = 0.0 tons |
|                                          | Bridge posting                       |                                  | Design Load      |                         |

### Functional Details

|                                                             |                                       |                            |                                                   |                                         |      |                                                |                              |    |      |      |
|-------------------------------------------------------------|---------------------------------------|----------------------------|---------------------------------------------------|-----------------------------------------|------|------------------------------------------------|------------------------------|----|------|------|
| Average Daily Traffic                                       | 60                                    | Average daily truck traffi | 0                                                 | %                                       | Year | 2006                                           | Future average daily traffic | 94 | Year | 2028 |
| Road classification                                         | Local (Rural) [09]                    |                            | Lanes on structure                                | 1                                       |      | Approach roadway width                         | 5.5 m = 18.0 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 | 4.14 m = 13.6 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           | 1050000                         | Roadway improvement cost                              | 70000   |
|                                                                                                                                     | Length of structure improvement   | 99.7 m = 327.1 ft               | Total project cost                                    | 1120000 |
|                                                                                                                                     | Year of improvement cost estimate | 2008                            |                                                       |         |
|                                                                                                                                     | Border bridge - state             |                                 | Border bridge - percent responsibility of other state |         |
|                                                                                                                                     | Border bridge - structure number  |                                 |                                                       |         |

## Inspection and Sufficiency

Structure status

Bridge closed to all traffic [K]

Appraisal ratings -  
structural

Condition ratings - superstructure

Serious [3]

Appraisal ratings -  
roadway alignment

Basically intolerable requiring high priority of replacement [2]

Condition ratings - substructure

Poor [4]

Appraisal ratings -  
deck geometry

Condition ratings - deck

Poor [4]

Scour

Bridge with "unknown" foundation that has not been evaluated for scour. [U]

Channel and channel protection

Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

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

0

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

May 2008 [0508]

Designated inspection frequency

12

Months

Underwater inspection

Unknown [N00]

Underwater inspection date

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

June 2000 [0600]

Other special inspection

Unknown [N00]

Other special inspection date