

HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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

| | | | | | |
|---|--|---------------------------------|----------------------------|--|--|
| Michigan [26] | Ontonagon County [131] | Greenland [35000] | 2.7 MI E OF M-26 | 46-46-16 = 46.771111 | 089-00-12 = - 89.003333 |
| 8502 | Highway agency district 1 | Owner State Highway Agency [01] | Maintenance responsibility | State Highway Agency [01] | |
| Route 38 | | M-38 | Toll On free road [3] | Features intersected W BR OF FIRESTEEL RIVER | |
| Design - main | Steel [3] | Design - approach | | Kilometerpoint | 392.8 km = 243.5 mi |
| 3 | Girder and floorbeam system [03] | 0 | Other [00] | Year built | 1958 |
| | | | | Year reconstructed | |
| | | | | Skew angle | 0 |
| | | | | Structure Flared | |
| | | | | Historical significance | Bridge is not eligible for the NRHP. [5] |
| Total length | 73.1 m = 239.8 ft | Length of maximum span | 27.4 m = 89.9 ft | Deck width, out-to-out | 10.6 m = 34.8 ft |
| Inventory Route, Total Horizontal Clearance | 9.6 m = 31.5 ft | Curb or sidewalk width - left | 0 m = 0.0 ft | Curb or sidewalk width - right | 0 m = 0.0 ft |
| Deck structure type | Concrete Cast-in-Place [1] | | | | |
| Type of wearing surface | Monolithic Concrete (concurrently placed with structural deck) [1] | | | | |
| Deck protection | Epoxy Coated Reinforcing [1] | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|-----------------------------------|------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | No rating analysis performed [5] | Inventory rating | 32.7 metric ton = 36.0 tons |
| 10 km = 6.2 mi | Method to determine operating rating | No rating analysis performed [5] | Operating rating | 32.7 metric ton = 36.0 tons |
| | Bridge posting | Equal to or above legal loads [5] | Design Load | MS 18 / HS 20 [5] |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|------------------------------|------|------|------|
| Average Daily Traffic | 679 | Average daily truck traffi | 13 | % | Year | 2007 | Future average daily traffic | 1031 | Year | 2018 |
| Road classification | Minor Arterial (Rural) [06] | | Lanes on structure | 2 | | Approach roadway width | 12.2 m = 40.0 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 | 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 | | | | | | Minimum vertical clearance over bridge roadway | 99.99 m = 328.1 ft | | | |
| Minimum lateral underclearance reference feature | Feature not a highway or railroad [N] | | | | | | | | | |
| Minimum lateral underclearance on right | 99.9 = Unlimited | | | | | 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 | 1143000 | 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 | Open, no restriction [A] | Appraisal ratings - structural | Better than present minimum criteria [7] |
| Condition ratings - superstructure | Good [7] | Appraisal ratings - roadway alignment | Equal to present minimum criteria [6] |
| Condition ratings - substructure | Good [7] | Appraisal ratings - deck geometry | Equal to present minimum criteria [6] |
| Condition ratings - deck | Good [7] | | |
| Scour | Bridge foundations determined to be stable for assessed or calculated scour condition. [5] | | |
| Channel and channel protection | Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8] | | |
| Appraisal ratings - water adequacy | Better than present minimum criteria [7] | Status evaluation | |
| Pier or abutment protection | | Sufficiency rating | 90.8 |
| 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 | Inspected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - approach guardrail | Inspected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - approach guardrail ends | Inspected feature meets currently acceptable standards. [1] | | |
| Inspection date | July 2010 [0710] | Designated inspection frequency | 24 Months |
| Underwater inspection | Not needed [N] | Underwater inspection date | |
| Fracture critical inspection | Unknown [Y15] | Fracture critical inspection date | June 2011 [0611] |
| Other special inspection | Not needed [N] | Other special inspection date | |