

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] | Arenac County [011] | Arenac [03360] | 0.1 MI E OF HANSEL | 44-00-54 = 44.015000 | 083-49-26 = 83.823889 |
| 06302H00005B010 | Highway agency district 4 | Owner County Highway Agency [02] | Maintenance responsibility | County Highway Agency [02] | |
| Route 0 | HICKORY ISLAND | Toll On free road [3] | Features intersected | RIFLE RIVER | |
| Design - main Steel [3] | Design - approach | Kilometerpoint 217.3 km = 134.7 mi | Year built 1920 | Year reconstructed N/A [0000] | |
| 1 Truss - Thru [10] | 0 Other [00] | Skew angle 0 | Structure Flared | | |
| | | Historical significance | Bridge is on the NRHP. [1] | | |
| Total length 39 m = 128.0 ft | Length of maximum span 39 m = 128.0 ft | Deck width, out-to-out 6.1 m = 20.0 ft | Bridge roadway width, curb-to-curb | 5.2 m = 17.1 ft | |
| Inventory Route, Total Horizontal Clearance 5.2 m = 17.1 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 | Bituminous [6] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|---------------------------------------|--------------------------------------|--------------------------|------------------|---------------------------|
| Bypass, detour length 0.6 km = 0.4 mi | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating | 3.6 metric ton = 4.0 tons |
| | Method to determine operating rating | Allowable Stress(AS) [2] | Operating rating | 7.3 metric ton = 8.0 tons |
| Bridge posting | | Design Load | M 9 / H 10 [1] | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|--|---------|------------------------------|-----|------|------|
| Average Daily Traffic | 160 | Average daily truck traffi | 0 | % | Year | 1998 | Future average daily traffic | 190 | Year | 2017 |
| Road classification | Minor Collector (Rural) [08] | Lanes on structure | 2 | Approach roadway width | 7.9 m = 25.9 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 | 6.4 m = 21.0 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 | 561000 | Roadway improvement cost | 30000 | | | | | | |
| | Length of structure improvement | 51.8 m = 170.0 ft | | Total project cost | 591000 | | | | | |
| | Year of improvement cost estimate | 2005 | | | | | | | | |
| | 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="Poor [4]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Better than present minimum criteria [7]"/> |
| Condition ratings - substructure | <input type="text" value="Fair [5]"/> | Appraisal ratings - deck geometry | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/> |
| Condition ratings - deck | <input type="text" value="Serious [3]"/> | | |
| Scour | <input type="text" value="Bridge is scour critical; bridge foundations determined to be unstable. [3]"/> | | |
| Channel and channel protection | <input type="text" value="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 | <input type="text" value="Equal to present minimum criteria [6]"/> | Status evaluation | <input type="text" value="Structurally deficient [1]"/> |
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="15.1"/> |
| 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="October 2008 [1008]"/> | Designated inspection frequency | <input type="text" value="12"/> Months |
| Underwater inspection | <input type="text" value="Not needed [N]"/> | Underwater inspection date | <input type="text"/> |
| Fracture critical inspection | <input type="text" value="Every year [Y12]"/> | Fracture critical inspection date | <input type="text" value="October 2007 [1007]"/> |
| Other special inspection | <input type="text" value="Not needed [N]"/> | Other special inspection date | <input type="text"/> |