

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

| | | | | | |
|---|--|---|--|---------------------------------------|---|
| Michigan [26] | St. Clair County [147] | Greenwood [35220] | SEC. 12 GREENWOOD TWP. | 43-08-39 = 43.144167 | 082-39-06 = - 82.651667 |
| 77314H00022B010 | Highway agency district 7 | Owner County Highway Agency [02] | Maintenance responsibility | County Highway Agency [02] | |
| Route 0 | COMSTOCK ROAD | Toll On free road [3] | Features intersected EVES DRAIN | | |
| Design - main 2 | Steel [3] Stringer/Multi-beam or girder [02] | Design - approach 0 | Other [00] | Kilometerpoint 317.8 km = 197.0 mi | Year built 1939 |
| | | | | Year reconstructed N/A [0000] | Skew angle 0 |
| | | | | Structure Flared | Historical significance Bridge is not eligible for the NRHP. [5] |
| Total length 18.2 m = 59.7 ft | Length of maximum span 8.8 m = 28.9 ft | Deck width, out-to-out 6.7 m = 22.0 ft | Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft | | |
| Inventory Route, Total Horizontal Clearance 6 m = 19.7 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 | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|--|--------------------------------------|--------------------------|---------------------------|-----------------------------|
| Bypass, detour length 0.3 km = 0.2 mi | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating | 32.7 metric ton = 36.0 tons |
| | Method to determine operating rating | Allowable Stress(AS) [2] | Operating rating | 32.7 metric ton = 36.0 tons |
| Bridge posting | Equal to or above legal loads [5] | Design Load | MS 18+Mod / HS 20+Mod [6] | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|-----------------------|---|--|--|------------------------------|-----------------|------|------|
| Average Daily Traffic | 60 | Average daily truck traffi | | % | Year | 1994 | Future average daily traffic | 205 | Year | 2014 |
| Road classification | Local (Rural) [09] | | | Lanes on structure | 2 | | Approach roadway width | 7.3 m = 24.0 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

Bridge improvement cost

Roadway improvement cost

10000

Length of structure improvement

45.7 m = 149.9 ft

Total project cost

14000

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="Open, no restriction [A]"/> | Appraisal ratings - structural | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - superstructure | <input type="text" value="Satisfactory [6]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - substructure | <input type="text" value="Fair [5]"/> | 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="Fair [5]"/> | | |
| Scour | <input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/> | | |
| Channel and channel protection | <input type="text" value="Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]"/> | | |
| Appraisal ratings - water adequacy | <input type="text" value="Equal to present minimum criteria [6]"/> | Status evaluation | <input type="text"/> |
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="79"/> |
| Culverts | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/> | | |
| Traffic safety features - railings | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/> | | |
| 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="February 2009 [0209]"/> | Designated inspection frequency | <input type="text" value="24"/> Months |
| Underwater inspection | <input type="text" value="Not needed [N]"/> | Underwater inspection date | <input type="text"/> |
| Fracture critical inspection | <input type="text" value="Not needed [N]"/> | Fracture critical inspection date | <input type="text"/> |
| Other special inspection | <input type="text" value="Not needed [N]"/> | Other special inspection date | <input type="text"/> |