

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] | Ingham County [065] | Michigan State University | MICHIGAN STATE UNIVERSITY | 42-43-39.70 = 42.727694 | 084-28-40.23 = -84.477842 |
| 3965 | Highway agency district | 6 | Owner | Other State Agencies [21] | Maintenance responsibility |
| Other State Agencies [21] | | | | | |
| Route | 0 | FARM LANE | Toll | On free road [3] | Features intersected |
| RED CEDAR RIVER | | | | | |
| Design - main | Concrete continuous [2] | Design - approach | Prestressed concrete [5] | Kilometerpoint | 257.8 km = 159.8 mi |
| 2 | Tee beam [04] | 1 | Box beam or girders - Multiple [05] | Year built | 1926 |
| | | | | Year reconstructed | 1999 |
| | | | | Skew angle | 0 |
| | | | | Structure Flared | |
| | | | | Historical significance | Bridge is not eligible for the NRHP. [5] |
| Total length | 36.5 m = 119.8 ft | Length of maximum span | 15.2 m = 49.9 ft | Deck width, out-to-out | 22.3 m = 73.2 ft |
| | | | | Bridge roadway width, curb-to-curb | 12.2 m = 40.0 ft |
| Inventory Route, Total Horizontal Clearance | 12.1 m = 39.7 ft | Curb or sidewalk width - left | 4.2 m = 13.8 ft | Curb or sidewalk width - right | 4.2 m = 13.8 ft |
| Deck structure type | Concrete Cast-in-Place [1] | | | | |
| Type of wearing surface | Latex Concrete or similar additive [3] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|--------------------------|------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating | 18.2 metric ton = 20.0 tons |
| 0.3 km = 0.2 mi | 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 | |

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost 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 | Meets minimum tolerable limits to be left in place as is [4] |
| Condition ratings - superstructure | Fair [5] | Appraisal ratings - roadway alignment | Equal to present minimum criteria [6] |
| Condition ratings - substructure | Poor [4] | Appraisal ratings - deck geometry | Meets minimum tolerable limits to be left in place as is [4] |
| Condition ratings - deck | Fair [5] | | |
| Scour | Bridge is scour critical; bridge foundations determined to be unstable. [3] | | |
| Channel and channel protection | 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 | Equal to present minimum criteria [6] | Status evaluation | Structurally deficient [1] |
| Pier or abutment protection | | Sufficiency rating | 31.5 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | | | |
| Traffic safety features - transitions | Not applicable or a safety feature is not required. [N] | | |
| Traffic safety features - approach guardrail | Not applicable or a safety feature is not required. [N] | | |
| Traffic safety features - approach guardrail ends | Not applicable or a safety feature is not required. [N] | | |
| Inspection date | December 2014 [1214] | Designated inspection frequency | 24 Months |
| Underwater inspection | Not needed [N] | Underwater inspection date | |
| Fracture critical inspection | Not needed [N] | Fracture critical inspection date | |
| Other special inspection | Not needed [N] | Other special inspection date | |