

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] | Cass County [027] | Silver Creek [73940] | 1 MI N OF M-62 | 41-59-54 = 41.998333 | 086-09-20 = - 86.155556 |
| 14313H00051B010 | Highway agency district 5 | Owner County Highway Agency [02] | Maintenance responsibility | County Highway Agency [02] | |
| Route 0 | YAW STREET | Toll On free road [3] | Features intersected | DOWAGIAC RIVER | |
| Design - main 1 | Steel [3] Stringer/Multi-beam or girder [02] | Design - approach 0 | Other [00] | Kilometerpoint 30.4 km = 18.8 mi | Year built 1930 |
| | | | | Year reconstructed N/A [0000] | Skew angle 0 |
| | | | | Structure Flared | Historical significance Bridge is not eligible for the NRHP. [5] |
| Total length | 13.1 m = 43.0 ft | Length of maximum span | 13.1 m = 43.0 ft | Deck width, out-to-out | 5.7 m = 18.7 ft |
| Inventory Route, Total Horizontal Clearance | 5.5 m = 18.0 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 | Bituminous [6] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|---------------------|---------------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor(LF) [1] | Inventory rating | 13.8 metric ton = 15.2 tons |
| 20.1 km = 12.5 mi | Method to determine operating rating | Load Factor(LF) [1] | Operating rating | 29.3 metric ton = 32.2 tons |
| Bridge posting | | Design Load | MS 18+Mod / HS 20+Mod [6] | |

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

Posted for load [P]

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

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - deck

Fair [5]

Scour

Bridge is scour critical; bridge foundations determined to be unstable. [3]

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

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

28.1

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

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

October 2008 [1008]

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