

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] Wayne County [163] Brownstown [11220] BRNTWNW/JEFFERSON 42-02-34 = 42.042778 083-12-50 = - 83.213889

82301H23018B010 Highway agency district 7 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 HARBIN DRIVE Toll On free road [3] Features intersected SILVER CREEK

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 2.7 km = 1.7 mi

1 Arch - Deck [11] 0 Other [00] Year built 1930 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 13.7 m = 44.9 ft Length of maximum span 12.2 m = 40.0 ft Deck width, out-to-out 8.2 m = 26.9 ft Bridge roadway width, curb-to-curb 8.2 m = 26.9 ft

Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft Curb or sidewalk width - left 0.3 m = 1.0 ft Curb or sidewalk width - right 0.3 m = 1.0 ft

Deck structure type Not applicable [N]

Type of wearing surface Gravel [8]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 15.8 km = 9.8 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 44.5 metric ton = 49.0 tons

Bridge posting Equal to or above legal loads [5] Design Load M 18 / H 20 [4]

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 | <input type="text" value="Open, no restriction [A]"/> | Appraisal ratings - structural | <input type="text" value="Equal to present minimum criteria [6]"/> |
| Condition ratings - superstructure | <input type="text" value="Satisfactory [6]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Equal to present desirable criteria [8]"/> |
| Condition ratings - substructure | <input type="text" value="Good [7]"/> | 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="Satisfactory [6]"/> | | |

Scour

Channel and channel protection

| | | | |
|------------------------------------|--|-------------------|----------------------|
| Appraisal ratings - water adequacy | <input type="text" value="Equal to present desirable criteria [8]"/> | Status evaluation | <input type="text"/> |
|------------------------------------|--|-------------------|----------------------|

| | | | |
|-----------------------------|----------------------|--------------------|-----------------------------------|
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="89.2"/> |
|-----------------------------|----------------------|--------------------|-----------------------------------|

Culverts

| | |
|---|----------------------|
| 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 Designated inspection frequency 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"/> |