

# 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]   | Macomb County [099]  | Harrison [36820]                              | 0.4MI W OF CROCKER BLVD                          | 42-33-43 =<br>42.561944  | 082-50-49 = -<br>82.846944    |
| 50200061000B010   | Highway agency district 7  | Owner County Highway Agency [02]              | Maintenance responsibility                       | County Highway Agency [02]                                       |                               |
| Route 2058  |  | JEFFERSON AVE                                 | Toll On free road [3]                            | Features intersected CLINTON RIVER SPILLWAY                      |                               |
| Design - main   | Steel [3]  | Design - approach                             |  | Kilometerpoint 1394.2 km = 864.4 mi                              |                               |
| 3   | Stringer/Multi-beam or girder [02]                                 | 0   | Other [00]                                       | Year built 1950  | Year reconstructed N/A [0000] |
|   |  |   |  | Skew angle 0   | Structure Flared              |
|   |  |   |  | Historical significance Bridge is not eligible for the NRHP. [5] |                               |
| Total length 59.7 m = 195.9 ft                              | Length of maximum span 19.6 m = 64.3 ft                            | Deck width, out-to-out 11.1 m = 36.4 ft       | Bridge roadway width, curb-to-curb 9 m = 29.5 ft |  |                               |
| Inventory Route, Total Horizontal Clearance 8.5 m = 27.9 ft | Curb or sidewalk width - left 0.8 m = 2.6 ft                       | Curb or sidewalk width - right 0.9 m = 3.0 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 | Method to determine inventory rating | Allowable Stress(AS) [2]          | Inventory rating | 36.3 metric ton = 39.9 tons |
| 0.5 km = 0.3 mi       | Method to determine operating rating | Allowable Stress(AS) [2]          | Operating rating | 77.1 metric ton = 84.8 tons |
|                       | Bridge posting                       | Equal to or above legal loads [5] | Design Load      | MS 18 / HS 20 [5]           |

### Functional Details

|   |                                       |                            |   |                                       |      |  |                              |       |      |      |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|------------------------------|-------|------|------|
| Average Daily Traffic                                       | 11691                                 | Average daily truck traffi | 5   | %                                     | Year | 1995   | Future average daily traffic | 17372 | Year | 2015 |
| Road classification   | Minor Arterial (Urban) [16]           |                            | Lanes on structure                                | 2                                     |      | Approach roadway width                         | 8 m = 26.2 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

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

Better than present minimum criteria [7]

Condition ratings - substructure

Poor [4]

Appraisal ratings -  
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Satisfactory [6]

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]

Channel and channel protection

Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

48

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspected feature meets currently acceptable standards. [1]

Inspected feature meets currently acceptable standards. [1]

Inspection date

October 2009 [1009]

Designated inspection frequency

24

Months

Underwater inspection

Unknown [Y60]

Underwater inspection date

December 2008 [1208]

Fracture critical inspection

Not needed [N]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date