

# 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]                               | Wayne County [163]               | Unknown [67660]               | 0.5 MI N OF M-14           | 42-22-42 =<br>42.378333        | 083-16-31 = -<br>83.275278 |
| 82182053000X012                             | Highway agency district:         | Owner                         | Maintenance responsibility |                                |                            |
| Route 24                                    | CSX RR                           | Toll                          | On free road [3]           | Features intersected           | US-24 SB                   |
| Design - main                               | Steel [3]                        | Design - approach             |                            | Kilometerpoint                 | 3223.2 km = 1998.4 mi      |
|                                             | Girder and floorbeam system [03] |                               |                            | Year built                     | 1936                       |
|                                             |                                  |                               |                            | Year reconstructed             |                            |
|                                             |                                  |                               |                            | Skew angle                     |                            |
|                                             |                                  |                               |                            | Structure Flared               |                            |
|                                             |                                  |                               |                            | Historical significance        |                            |
| Total length                                | 28.9 m = 94.8 ft                 | Length of maximum span        | 20.1 m = 65.9 ft           | Deck width, out-to-out         |                            |
| Inventory Route, Total Horizontal Clearance | 19.2 m = 63.0 ft                 | Curb or sidewalk width - left |                            | Curb or sidewalk width - right |                            |
| Deck structure type                         |                                  |                               |                            |                                |                            |
| Type of wearing surface                     |                                  |                               |                            |                                |                            |
| Deck protection                             |                                  |                               |                            |                                |                            |
| Type of membrane/wearing surface            |                                  |                               |                            |                                |                            |

## Weight Limits

|                       |                                      |             |                  |  |
|-----------------------|--------------------------------------|-------------|------------------|--|
| Bypass, detour length | Method to determine inventory rating |             | Inventory rating |  |
| 0 km = 0.0 mi         | Method to determine operating rating |             | Operating rating |  |
| Bridge posting        |                                      | Design Load |                  |  |

### Functional Details

|                                                             |                                                                    |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |
|-------------------------------------------------------------|--------------------------------------------------------------------|----------------------------|---------------------------------------------------|--------------------------------------------------|------|------------------------------------------------|------------------------------|----------------------|------|----------------------|
| Average Daily Traffic                                       | <input type="text" value="34555"/>                                 | Average daily truck traffi | <input type="text" value="5"/>                    | %                                                | Year | <input type="text" value="2007"/>              | Future average daily traffic | <input type="text"/> | Year | <input type="text"/> |
| Road classification                                         | <input type="text" value="Other Principal Arterial (Urban) [14]"/> |                            | Lanes on structure                                | <input type="text" value="0"/>                   |      | Approach roadway width                         | <input type="text"/>         |                      |      |                      |
| Type of service on bridge                                   | <input type="text" value="Railroad [2]"/>                          |                            | Direction of traffic                              | <input type="text" value="1 - way traffic [1]"/> |      | Bridge median                                  | <input type="text"/>         |                      |      |                      |
| Parallel structure designation                              | <input type="text" value="No parallel structure exists. [N]"/>     |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |
| Type of service under bridge                                | <input type="text" value="Highway, with or without ped"/>          |                            | Lanes under structure                             | <input type="text" value="4"/>                   |      | Navigation control                             | <input type="text"/>         |                      |      |                      |
| Navigation vertical clearanc                                | <input type="text"/>                                               |                            | Navigation horizontal clearance                   | <input type="text"/>                             |      |                                                |                              |                      |      |                      |
| Minimum navigation vertical clearance, vertical lift bridge | <input type="text"/>                                               |                            |                                                   |                                                  |      | Minimum vertical clearance over bridge roadway | <input type="text"/>         |                      |      |                      |
| Minimum lateral underclearance reference feature            | <input type="text"/>                                               |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |
| Minimum lateral underclearance on right                     | <input type="text"/>                                               |                            |                                                   |                                                  |      | Minimum lateral underclearance on left         | <input type="text"/>         |                      |      |                      |
| Minimum Vertical Underclearance                             | <input type="text"/>                                               |                            | Minimum vertical underclearance reference feature | <input type="text"/>                             |      |                                                |                              |                      |      |                      |
| Appraisal ratings - underclearances                         | <input type="text"/>                                               |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |

### 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

Appraisal ratings -  
structural

Condition ratings - superstructure

Appraisal ratings -  
roadway alignment

Condition ratings - substructure

Appraisal ratings -  
deck geometry

Condition ratings - deck

Scour

Channel and channel protection

Appraisal ratings - water adequacy

Status evaluation

Pier or abutment protection

Sufficiency rating

Culverts

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

Designated inspection frequency

Months

Underwater inspection

Underwater inspection date

Fracture critical inspection

Fracture critical inspection date

Other special inspection

Other special inspection date

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|---------------------------------------------|----------------------------------|-------------------------------|----------------------------|--------------------------------|----------------------------|
| Michigan [26]                               | Wayne County [163]               | Unknown [67660]               | 0.5 MI N OF M-14           | 42-22-42 =<br>42.378333        | 083-16-32 = -<br>83.275556 |
| 82182053000X011                             | Highway agency district:         | Owner                         | Maintenance responsibility |                                |                            |
| Route 24                                    | CSX RR                           | Toll                          | On free road [3]           | Features intersected           | US-24 NB                   |
| Design - main                               | Steel [3]                        | Design - approach             |                            | Kilometerpoint                 | 2109.4 km = 1307.8 mi      |
|                                             | Girder and floorbeam system [03] |                               |                            | Year built                     | 1961                       |
|                                             |                                  |                               |                            | Year reconstructed             |                            |
|                                             |                                  |                               |                            | Skew angle                     |                            |
|                                             |                                  |                               |                            | Structure Flared               |                            |
|                                             |                                  |                               |                            | Historical significance        |                            |
| Total length                                | 24.3 m = 79.7 ft                 | Length of maximum span        | 24.3 m = 79.7 ft           | Deck width, out-to-out         |                            |
| Inventory Route, Total Horizontal Clearance | 21.6 m = 70.9 ft                 | Curb or sidewalk width - left |                            | Curb or sidewalk width - right |                            |
| Deck structure type                         |                                  |                               |                            |                                |                            |
| Type of wearing surface                     |                                  |                               |                            |                                |                            |
| Deck protection                             |                                  |                               |                            |                                |                            |
| Type of membrane/wearing surface            |                                  |                               |                            |                                |                            |

## Weight Limits

|                       |                                      |             |                  |  |
|-----------------------|--------------------------------------|-------------|------------------|--|
| Bypass, detour length | Method to determine inventory rating |             | Inventory rating |  |
| 0 km = 0.0 mi         | Method to determine operating rating |             | Operating rating |  |
| Bridge posting        |                                      | Design Load |                  |  |

### Functional Details

|                                                             |                                                                    |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |
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| Road classification                                         | <input type="text" value="Other Principal Arterial (Urban) [14]"/> |                            | Lanes on structure                                | <input type="text" value="0"/>                   |      | Approach roadway width                         | <input type="text"/>         |                      |      |                      |
| Type of service on bridge                                   | <input type="text" value="Railroad [2]"/>                          |                            | Direction of traffic                              | <input type="text" value="1 - way traffic [1]"/> |      | Bridge median                                  | <input type="text"/>         |                      |      |                      |
| Parallel structure designation                              | <input type="text" value="No parallel structure exists. [N]"/>     |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |
| Type of service under bridge                                | <input type="text" value="Highway, with or without ped"/>          |                            | Lanes under structure                             | <input type="text" value="4"/>                   |      | Navigation control                             | <input type="text"/>         |                      |      |                      |
| Navigation vertical clearanc                                | <input type="text"/>                                               |                            | Navigation horizontal clearance                   | <input type="text"/>                             |      |                                                |                              |                      |      |                      |
| Minimum navigation vertical clearance, vertical lift bridge | <input type="text"/>                                               |                            |                                                   |                                                  |      | Minimum vertical clearance over bridge roadway | <input type="text"/>         |                      |      |                      |
| Minimum lateral underclearance reference feature            | <input type="text"/>                                               |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |
| Minimum lateral underclearance on right                     | <input type="text"/>                                               |                            |                                                   |                                                  |      | Minimum lateral underclearance on left         | <input type="text"/>         |                      |      |                      |
| Minimum Vertical Underclearance                             | <input type="text"/>                                               |                            | Minimum vertical underclearance reference feature | <input type="text"/>                             |      |                                                |                              |                      |      |                      |
| Appraisal ratings - underclearances                         | <input type="text"/>                                               |                            |                                                   |                                                  |      |                                                |                              |                      |      |                      |

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