

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] St. Clair County [147] Columbus [17520] SEC.35 COLUMBUS TWP. 00-00-00 = 0.000000 000-00-00 = - 0.000000

77200014000B020 Highway agency district 7 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 7742 DIVISION ROAD Toll On free road [3] Features intersected BELLE RIVER

Design - main Steel [3] Design - approach Stringer/Multi-beam or girder [02] Other [00] Kilometerpoint 0 km = 0.0 mi Year built 1941 Year reconstructed N/A [0000] Skew angle 0 Structure Flared Historical significance Bridge is not eligible for the NRHP. [5]

Total length 42.6 m = 139.8 ft Length of maximum span 21.3 m = 69.9 ft Deck width, out-to-out 8.9 m = 29.2 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft Curb or sidewalk width - left 0.4 m = 1.3 ft Curb or sidewalk width - right 0.4 m = 1.3 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 0.3 km = 0.2 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 18.2 metric ton = 20.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 32.7 metric ton = 36.0 tons

Bridge posting 00.1 - 09.9 % below [4] 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                                  | <input type="text" value="Open, no restriction [A]"/>  | Appraisal ratings - structural        | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - superstructure                | <input type="text" value="Fair [5]"/>  | Appraisal ratings - roadway alignment | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>                    |
| Condition ratings - substructure                  | <input type="text" value="Very Good [8]"/>   | Appraisal ratings - deck geometry     | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>                |
| Condition ratings - deck                          | <input type="text" value="Very Good [8]"/>   |                                       |  |
| Scour   | <input type="text" value="Scour calculation/evaluation has not been made. [6]"/>   |                                       |  |
| Channel and channel protection                    | <input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/> |                                       |  |
| Appraisal ratings - water adequacy                | <input type="text" value="Equal to present minimum criteria [6]"/>   | Status evaluation                     | <input type="text" value="Functionally obsolete [2]"/>   |
| Pier or abutment protection                       | <input type="text"/>   | Sufficiency rating                    | <input type="text" value="49.5"/>  |
| Culverts  | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>   |                                       |  |
| Traffic safety features - railings                | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>   |                                       |  |
| Traffic safety features - transitions             | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>   |                                       |  |
| Traffic safety features - approach guardrail      | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>   |                                       |  |
| Traffic safety features - approach guardrail ends | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>   |                                       |  |
| Inspection date                                   | <input type="text" value="May 1998 [0598]"/>   | Designated inspection frequency       | <input type="text" value="24"/> Months   |
| Underwater inspection                             | <input type="text" value="Unknown [N24]"/>   | Underwater inspection date            | <input type="text"/>   |
| Fracture critical inspection                      | <input type="text" value="Unknown [N24]"/>   | Fracture critical inspection date     | <input type="text"/>   |
| Other special inspection                          | <input type="text" value="Unknown [N24]"/>   | Other special inspection date         | <input type="text"/>   |