

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

Michigan [26] Wayne County [163] Detroit [22000] DETROIT RIVER AT BELLE IS 42-20-24 = 42.340000 082-59-47 = - 82.996389

824180800512B01 Highway agency district 7 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route 2000 BELLE ISLE TRAFFIC Toll On free road [3] Features intersected DETROIT RIVER

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 26.7 km = 16.6 mi Year built 1929 Year reconstructed 1998

20 Other [00] 0 Other [00] Skew angle 0 Structure Flared Historical significance Bridge is on the NRHP. [1]

Total length 698.4 m = 2291.5 ft Length of maximum span 41.1 m = 134.8 ft Deck width, out-to-out 26.8 m = 87.9 ft Bridge roadway width, curb-to-curb 18.6 m = 61.0 ft

Inventory Route, Total Horizontal Clearance 18.7 m = 61.4 ft Curb or sidewalk width - left 3.1 m = 10.2 ft Curb or sidewalk width - right 3.1 m = 10.2 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Latex Concrete or similar additive [3]

Deck protection Epoxy Coated Reinforcing [1]

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 15.9 km = 9.9 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 46.1 metric ton = 50.7 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 69.9 metric ton = 76.9 tons

Bridge posting Equal to or above legal loads [5] 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	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Superior to present desirable criteria [9]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
Channel and channel protection	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	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	50
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	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	June 2009 [0609]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	April 2009 [0409]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	