

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]	Fort Gratiot [29760]	AT PORT HURON	42-59-57 = 42.999167	082-25-29 = - 82.424722
77177111000B044	Highway agency district: 7	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 94	I-94 WB	Toll Toll bridge [1]	Features intersected ST CLAIR RIVER, CN NA RR		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 4137.5 km = 2565.3 mi	Year built 1938	Year reconstructed 1999	
3	Truss - Thru [10]	64	Girder and floorbeam system [03]	Skew angle 0	Structure Flared Yes, flared [1]
				Historical significance Bridge is on the NRHP. [1]	
Total length 1883.2 m = 6178.8 ft	Length of maximum span 265.5 m = 871.1 ft	Deck width, out-to-out 11.4 m = 37.4 ft	Bridge roadway width, curb-to-curb 10.6 m = 34.8 ft		
Inventory Route, Total Horizontal Clearance 10.6 m = 34.8 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type Concrete Cast-in-Place [1]					
Type of wearing surface Bituminous [6]					
Deck protection Epoxy Coated Reinforcing [1]					
Type of membrane/wearing surface Built-up [1]					

Weight Limits

Bypass, detour length 0 km = 0.0 mi	Method to determine inventory rating Load Factor(LF) [1]	Inventory rating 32.7 metric ton = 36.0 tons
	Method to determine operating rating Load Factor(LF) [1]	Operating rating 54.5 metric ton = 60.0 tons
Bridge posting Equal to or above legal loads [5]	Design Load	

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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Good [7]	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 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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	70
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	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	December 2008 [1208]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2004 [1004]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	October 2006 [1006]
Other special inspection	Not needed [N]	Other special inspection date	