HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Riverview [68880]	BET.RIVERVIEW & GROSS-ILE	42-07-38 = 42.127222	083-10-40 = -83.177778

12306	Highway agency district	7	Owner	Private (other than railroad) [26]	Maintenance responsibility	Private (other than railroad) [26]	
Route	0		GROSSE ILE TOLL BR	Toll	Toll bridge [1]	Features intersected	TRENTON CHANNEL

Design - main	Steel continuous [4]	Design - approach	Steel [3]	Kilometerpoint	63.6 km = 39.4 mi
1	Movable - Swing [17]	4	Truss - Thru [10]	Year built	1913
				Year reconstructed	
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]

Total length	314 m = 1030.2 ft	Length of maximum span	54.8 m = 179.8 ft	Deck width, out-to-out	7.5 m = 24.6 ft	Bridge roadway width, curb-to-curb	6.5 m = 21.3 ft
Inventory Route, Total Horizontal Clearance	6.9 m = 22.6 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Wood or Timber [8]
Type of wearing surface	Wood or Timber [7]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	0 metric ton = 0.0 tons	
1.1 km = 0.7 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	10.9 metric ton = 12.0 tons	
	Bridge posting		Design Load	MS 18+Mod / HS 20+Mod [6]	

Functional Details

Average Daily Traffic	0	Average daily truck traffi		%	Year 1974	Future average daily traffic	0	Year	1977

Road classification	Local (Urban) [19]	Lanes on structure	2	Approach roadway width	6.7 m = 22.0 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 control on waterway (bridge permit required). [1]
Navigation vertical clearanc	3 m = 9.8 ft	Navigation horizontal clearance	7.5 m = 24.6 ft		
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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Fair [5]		
Scour	Scour calculation/evaluation has not been made. [6]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place but re-evaluation of design suggested [4]	Sufficiency rating	38
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			
Inspection date	February 1992 [0292]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	