HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Grand Traverse County [055]	Traverse City [80340]	IN TRAVERSE CITY	44-45-53 = 44.764722	085-37-15 = -85.620833

284676400076B07	Highway agency district: 2	Owner: City or Municipal Highway Agency [04]	Maintenance responsibility: City or Municipal Highway Agency [04]		
Route: 2020		NORTH CASS STREET	Toll: On free road [3]	Features intersected: BOARDMAN RIVER	

Design - main	Prestressed concrete [5]	Design - approach		Kilometerpoint	803.2 km = 498.0 mi
1	Box beam or girders - Multiple [05]	0	Other [00]	Year built: 1960	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	18.2 m = 59.7 ft	Length of maximum span	18.2 m = 59.7 ft	Deck width, out-to-out	11.2 m = 36.7 ft	Bridge roadway width, curb-to-curb	7.3 m = 24.0 ft
Inventory Route, Total Horizontal Clearance	7.4 m = 24.3 ft	Curb or sidewalk width - left	1.5 m = 4.9 ft	Curb or sidewalk width - right	1.5 m = 4.9 ft		

Deck structure type	Concrete Precast Panels [2]
Type of wearing surface	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	33.3 metric ton = 36.6 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	45.4 metric ton = 49.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]	

Functional Details

Average Daily Traffic	3030	Average daily truck traffi	18 %	Year	2003	Future average daily traffic	3300	Year	2023
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	7.6 m = 24.9 ft				
Type of service on bridge	Highway-pedestrian [5]	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 vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A						
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	Open, no restriction [A]	Appraisal ratings - structural	Better than present minimum criteria [7]
Condition ratings - superstructur	Good [7]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	77.5

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	March 2009 [0309]	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	