

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]	Gogebic County [053]	Watersmeet [84380]	0.5 MI N OF WATERSMEET	46-16-29 = 46.274722	089-10-38 = - 89.177222
2973	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 45	US-45	Toll On free road [3]	Features intersected	BR ONTONAGON RIVER	
Design - main Concrete [1]	Design - approach	Kilometerpoint 1342.2 km = 832.2 mi	Year built 1953	Year reconstructed	
1 Tee beam [04]	0 Other [00]	Skew angle 0	Structure Flared		
		Historical significance	Bridge is not eligible for the NRHP. [5]		
Total length 12.2 m = 40.0 ft	Length of maximum span 12.2 m = 40.0 ft	Deck width, out-to-out 13.2 m = 43.3 ft	Bridge roadway width, curb-to-curb	11.6 m = 38.1 ft	
Inventory Route, Total Horizontal Clearance 12.5 m = 41.0 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	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Preformed Fabric [2]				

**Weight Limits**

Bypass, detour length 0.6 km = 0.4 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	40.9 metric ton = 45.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	72.7 metric ton = 80.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### Functional Details

Average Daily Traffic	<input type="text" value="3202"/>	Average daily truck traffi	<input type="text" value="4"/>	%	Year	<input type="text" value="2007"/>	Future average daily traffic	<input type="text" value="4085"/>	Year	<input type="text" value="2018"/>
Road classification	<input type="text" value="Principal Arterial - Other (Rural) [02]"/>		Lanes on structure	<input type="text" value="2"/>		Approach roadway width	<input type="text" value="11.6 m = 38.1 ft"/>			
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text"/>			
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>		Navigation horizontal clearance	<input type="text" value="0 = N/A"/>						
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>					Minimum vertical clearance over bridge roadway	<input type="text" value="99.99 m = 328.1 ft"/>			
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="99.9 = Unlimited"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>			
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>		Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>						
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

### Repair and Replacement Plans

Type of work to be performed	Work done by	<input type="text" value="Work to be done by contract [1]"/>								
<input type="text" value="Bridge deck replacement with only incidental widening. [37]"/>	Bridge improvement cost	<input type="text" value="6000"/>	Roadway improvement cost	<input type="text"/>						
	Length of structure improvement	<input type="text"/>		Total project cost	<input type="text"/>					
	Year of improvement cost estimate	<input type="text"/>								
	Border bridge - state	<input type="text"/>			Border bridge - percent responsibility of other state	<input type="text"/>				
	Border bridge - structure number	<input type="text"/>								

## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="98.1"/>
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="August 2011 [0811]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>