

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]	Houghton County [061]	Chassell [14920]	2.3 MI SE OF CHASSEL	47-00-43 = 47.011944	088-29-48 = - 88.496667
3402	Highway agency district	1	Owner	State Highway Agency [01]	Maintenance responsibility
Route	41	US-41	Toll	On free road [3]	Features intersected
					STURGEON RIVER SLOUGH
Design - main	Steel continuous [4]	Design - approach		Kilometerpoint	910.9 km = 564.8 mi
3	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1956
				Year reconstructed	
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	41.1 m = 134.8 ft	Length of maximum span	16.7 m = 54.8 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	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	39.1 metric ton = 43.0 tons
10 km = 6.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	82.7 metric ton = 91.0 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="3883"/>	Average daily truck traffi	<input type="text" value="10"/>	%	Year	<input type="text" value="2007"/>	Future average daily traffic	<input type="text" value="4337"/>	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="12.2 m = 40.0 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="71000"/>	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	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	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Satisfactory [6]		
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	Better than present minimum criteria [7]	Status evaluation	
Pier or abutment protection		Sufficiency rating	83.2
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	July 2011 [0711]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	July 2011 [0711]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	