

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]	Antrim County [009]	Bellaire [06980]	IN BELLAIRE	44-58-42 = 44.978333	085-12-36 = - 85.210000
05105031000B010	Highway agency district 2	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 88	M-88	Toll On free road [3]	Features intersected INTERMEDIATE RIVER		
Design - main Steel [3]	Design - approach	Kilometerpoint 1929.9 km = 1196.5 mi	Year built 1931	Year reconstructed N/A [0000]	
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 10	Structure Flared
				Historical significance	Bridge is on the NRHP. [1]
Total length 18.2 m = 59.7 ft	Length of maximum span 18.2 m = 59.7 ft	Deck width, out-to-out 16.8 m = 55.1 ft	Bridge roadway width, curb-to-curb 12.2 m = 40.0 ft		
Inventory Route, Total Horizontal Clearance 15.8 m = 51.8 ft	Curb or sidewalk width - left 1.8 m = 5.9 ft	Curb or sidewalk width - right 1.8 m = 5.9 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]				
Deck protection					
Type of membrane/wearing surface	Other [9]				

Weight Limits

Bypass, detour length 3.1 km = 1.9 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	28.2 metric ton = 31.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	63.6 metric ton = 70.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	6157	Average daily truck traffi	2	%	Year	2007	Future average daily traffic	10287	Year	2018
Road classification	Minor Arterial (Rural) [06]		Lanes on structure	4		Approach roadway width	13.7 m = 44.9 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	Work to be done by contract [1]								
Bridge deck replacement with only incidental widening. [37]	Bridge improvement cost	120000	Roadway improvement cost	6000						
	Length of structure improvement	18.3 m = 60.0 ft		Total project cost	70000					
	Year of improvement cost estimate									
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present minimum criteria [6]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="52.6"/>
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="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="August 2009 [0809]"/>	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"/>