

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information	
Michigan [26]	Marquette County [103]
Negaunee [56880]	2 MILES N OF US-41
52200031000B010	Highway agency district 1
Owner County Highway Agency [02]	Maintenance responsibility County Highway Agency [02]
Route 5290	COUNTY ROAD 510
Toll On free road [3]	Features intersected DEAD RIVER
Design - main Steel [3]	Design - approach
1	Truss - Thru [10]
0	Other [00]
Kilometerpoint 354.4 km = 219.7 mi	Year built 1921
Year reconstructed N/A [0000]	Skew angle 0
Structure Flared	Historical significance Bridge is on the NRHP. [1]
Total length 82.6 m = 271.0 ft	Length of maximum span 80.7 m = 264.8 ft
Deck width, out-to-out 6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb 5.8 m = 19.0 ft
Inventory Route, Total Horizontal Clearance 5.8 m = 19.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft
Curb or sidewalk width - right 0 m = 0.0 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 1.9 km = 1.2 mi	Method to determine inventory rating Load Factor(LF) [1]
Inventory rating 10.1 metric ton = 11.1 tons	Method to determine operating rating Load Factor(LF) [1]
Operating rating 16.8 metric ton = 18.5 tons	Bridge posting
Design Load MS 18+Mod / HS 20+Mod [6]	

Functional Details

Average Daily Traffic	1256	Average daily truck traffi	0	%	Year	1994	Future average daily traffic	1270	Year	2020
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	11 m = 36.1 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 vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	7.32 m = 24.0 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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	648000	Roadway improvement cost	65000						
	Length of structure improvement	91.5 m = 300.2 ft		Total project cost	764000					
	Year of improvement cost estimate	2007								
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Serious [3]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Basically intolerable requiring high priority of corrective action [3]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Serious [3]"/>		
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="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="2"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="May 2009 [0509]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every year [Y12]"/>	Fracture critical inspection date	<input type="text" value="May 2009 [0509]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>