

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]	Delta County [041]	Bark River [05420]	11 MI W OF ESCANABA	45-46-58 = 45.782778	087-17-02 = - 87.283889
2118	Highway agency district 1	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	ROUTE 410	Toll On free road [3]	Features intersected	TEN MILE CREEK	
Design - main Steel [3]	Design - approach	Kilometerpoint 320.1 km = 198.5 mi	Year built 1939	Year reconstructed	
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 30	Structure Flared
		Historical significance		Historical significance is not determinable at this time. [4]	
Total length 13.7 m = 44.9 ft	Length of maximum span 13.4 m = 44.0 ft	Deck width, out-to-out 7.7 m = 25.3 ft	Bridge roadway width, curb-to-curb 6.4 m = 21.0 ft		
Inventory Route, Total Horizontal Clearance 6.4 m = 21.0 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	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.5 km = 0.3 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	22.7 metric ton = 25.0 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	50 metric ton = 55.0 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	

### Functional Details

Average Daily Traffic	190	Average daily truck traffi	0	%	Year	1986	Future average daily traffic	190	Year	2012
Road classification	Minor Collector (Rural) [08]		Lanes on structure	2		Approach roadway width	9.1 m = 29.9 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	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 rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	100000	Roadway improvement cost	20000
	Length of structure improvement	13.7 m = 44.9 ft	Total project cost	150000
	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="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Good [7]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		

Scour

Channel and channel protection

Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
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Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="69.1"/>
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Culverts

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date  Designated inspection frequency  Months

Underwater inspection  Underwater inspection date

Fracture critical inspection  Fracture critical inspection date

Other special inspection  Other special inspection date