

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]	Clare County [035]	Grant [34220]	SEC. 30 GRANT TWP.	43-49-47 = 43.829722	084-50-17 = - 84.838056
18200030000B010	Highway agency district 4	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	BEAVER ROAD	Toll On free road [3]	Features intersected	S. BR. TOBACCO RIVER	
Design - main Concrete [1]	Design - approach Girder and floorbeam system [03]	Other [00]	Kilometerpoint 51.8 km = 32.1 mi	Year built 1924	Year reconstructed N/A [0000]
1			Skew angle 35	Structure Flared	
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length 12.2 m = 40.0 ft	Length of maximum span 11.5 m = 37.7 ft	Deck width, out-to-out 9 m = 29.5 ft	Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft		
Inventory Route, Total Horizontal Clearance 9 m = 29.5 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 0.3 km = 0.2 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	11.8 metric ton = 13.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	16.4 metric ton = 18.0 tons
Bridge posting			Design Load	MS 18+Mod / HS 20+Mod [6]

### Functional Details

Average Daily Traffic	1060	Average daily truck traffi	0	%	Year	2006	Future average daily traffic	1900	Year	2026
Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	9.8 m = 32.2 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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	233000	Roadway improvement cost	200000						
	Length of structure improvement	18.4 m = 60.4 ft		Total project cost	433000					
	Year of improvement cost estimate									
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

## Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	17.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	May 2008 [0508]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	