

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] Saginaw County [145] Frankenmuth [30220] 0.5 MI N OF CURTIS ROAD 00-00-00 = 0.000000 000-00-00 = - 0.000000

73311H00038B010 Highway agency district 4 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 BEYER ROAD Toll On free road [3] Features intersected CASS RIVER

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 1 Truss - Thru [10] Year built 1904 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 62.5 m = 205.1 ft Length of maximum span 43.2 m = 141.7 ft Deck width, out-to-out 5.4 m = 17.7 ft Bridge roadway width, curb-to-curb 4.8 m = 15.7 ft

Inventory Route, Total Horizontal Clearance 4.8 m = 15.7 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Wood or Timber [8]

Type of wearing surface

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 0 metric ton = 0.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 0 metric ton = 0.0 tons

Bridge posting Design Load M 9 / H 10 [1]

Functional Details

Average Daily Traffic	150	Average daily truck traffi	5	%	Year	1997	Future average daily traffic	270	Year	2007
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	7.3 m = 24.0 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	7.01 m = 23.0 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	1000	Roadway improvement cost	2000						
	Length of structure improvement	457.3 m = 1500.4 ft		Total project cost						
	Year of improvement cost estimate	1991								
	Border bridge - state			Border bridge - percent responsibility of other state	0					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status

Bridge closed to all traffic [K]

Appraisal ratings -
structural

Condition ratings - superstructure

Appraisal ratings -
roadway alignment

Condition ratings - substructure

Appraisal ratings -
deck geometry

Condition ratings - deck

Scour

Scour calculation/evaluation has not been made. [6]

Channel and channel protection

Appraisal ratings - water adequacy

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

16.1

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

June 1999 [0699]

Designated inspection frequency

24

Months

Underwater inspection

Unknown [N24]

Underwater inspection date

Fracture critical inspection

Unknown [N24]

Fracture critical inspection date

Other special inspection

Unknown [N24]

Other special inspection date