

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]	St. Clair County [147]	Saint Clair [70700]	PVT CLM #307 ST CLAIR TWP	00-00-00 = 0.000000	000-00-00 = - 0.000000
77200016000B020	Highway agency district 7	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 7748	RATTLE RUN ROAD	Toll On free road [3]	Features intersected	PINE RIVER	
Design - main Steel [3]	Design - approach	Kilometerpoint 0 km = 0.0 mi	Year built 1931	Year reconstructed N/A [0000]	
2	Stringer/Multi-beam or girder [02]	0	Other [00]	Skew angle 30	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length 37.5 m = 123.0 ft	Length of maximum span 18.2 m = 59.7 ft	Deck width, out-to-out 12 m = 39.4 ft	Bridge roadway width, curb-to-curb	9.1 m = 29.9 ft	
Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 ft	Curb or sidewalk width - left 0.4 m = 1.3 ft	Curb or sidewalk width - right	0.4 m = 1.3 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	8.3 metric ton = 9.1 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	27.7 metric ton = 30.5 tons
Bridge posting	30.0 - 39.9 % below [1]		Design Load	MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	2500	Average daily truck traffi	5	%	Year	1994	Future average daily traffic	2700	Year	2014
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	0 m = 0.0 ft			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	1000	Roadway improvement cost	0						
	Length of structure improvement	42.7 m = 140.1 ft		Total project cost	1000					
	Year of improvement cost estimate	1996								
	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	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	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 condition. [5]		
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	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	37.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	February 2002 [0202]	Designated inspection frequency	12 Months
Underwater inspection		Underwater inspection date	August 1997 [0897]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Unknown [N00]	Other special inspection date	