

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]	Calhoun County [025]	Clarendon [16020]	CLARENDON TWP SEC 10	42-07-51 = 42.130833	084-51-57 = - 84.865833
13200096000B010	Highway agency district	5	Owner	County Highway Agency [02]	Maintenance responsibility
Route	1369	22 MILE RD	Toll	On free road [3]	Features intersected ST JOSEPH RIVER
Design - main	Concrete [1]	Design - approach	Kilometerpoint	648.9 km = 402.3 mi	
2	Girder and floorbeam system [03]	0	Year built	1921	Year reconstructed N/A [0000]
		Other [00]	Skew angle	0	Structure Flared
			Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	24.3 m = 79.7 ft	Length of maximum span	12.2 m = 40.0 ft	Deck width, out-to-out	6.9 m = 22.6 ft
Inventory Route, Total Horizontal Clearance	5.5 m = 18.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Bridge roadway width, curb-to-curb	5.5 m = 18.0 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 1.9 km = 1.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 15.2 metric ton = 16.7 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 25.3 metric ton = 27.8 tons
Bridge posting			Design Load

Functional Details

Average Daily Traffic	870	Average daily truck traffic	14 %	Year	1995	Future average daily traffic	1557	Year	2023
Road classification	Local (Rural) [09]			Lanes on structure	2	Approach roadway width	6.4 m = 21.0 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 clearance	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	0 = N/A			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	270000	Roadway improvement cost	85000
	Length of structure improvement	31.7 m = 104.0 ft	Total project cost	405000
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
Scour	Bridge with "unknown" foundation that has not been evaluated for scour. [U]		
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 desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	19.7
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			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	September 2009 [0909]	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	