

HistoricBridges.org - National Bridge Inventory Data Sheet

1992 Inventory

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]	Monroe County [115]	Unknown [00000]	0.1 MI S OF SHERMAN ROAD			
58311H00034B010	Highway agency district	8	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]
Route	0		HALF ROAD	Toll	On free road [3]	Features intersected
						NORTH MACON CREEK
Design - main	Steel [3]	Design - approach		Kilometerpoint		
1	Truss - Thru [10]	0	Other [00]	Year built	1910	Year reconstructed
					N/A [0000]	
				Skew angle	0	Structure Flared
				Historical significance		
Total length	12.5 m = 41.0 ft	Length of maximum span	11.3 m = 37.1 ft	Deck width, out-to-out	4.7 m = 15.4 ft	Bridge roadway width, curb-to-curb
						4.7 m = 15.4 ft
Inventory Route, Total Horizontal Clearance	4.7 m = 15.4 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	Wood or Timber [7]					
Deck protection						
Type of membrane/wearing surface						

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	0 metric ton = 0.0 tons
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	0 metric ton = 0.0 tons
	Bridge posting	20.0 - 29.9 % below [2]	Design Load	MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	28	Average daily truck traffi		%	Year	1981	Future average daily traffic	28	Year	1977
Road classification	Local (Rural) [09]			Lanes on structure	2		Approach roadway width	4.3 m = 14.1 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	0 = N/A					Minimum lateral underclearance on left				
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	111000	Roadway improvement cost	11000
	Length of structure improvement	91.4 m = 299.9 ft	Total project cost	130000
	Year of improvement cost estimate			
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Open, would be posted or closed except for temporary shoring [D]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Critical [2]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Critical [2]		
Scour			
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]		
Appraisal ratings - water adequacy	Meets minimum tolerable limits to be left in place as is [4]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	24.5
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	December 1989 [1289]	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	