HistoricBridges.org - National Bridge Inventory Data Sheet

2002 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Macomb County [099]	Unknown [00000]	0.3 MI WEST OF RAY CENTER	00-00-00 = 0.000000	000-00-00 = -0.000000

50310H00001B010	Highway agency district	7	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]

Route	0	27 MILE ROAD	Toll	On free road [3]	Features intersected	N BRANCH CLINTON RIVER

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1910
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	17.9 m = 58.7 ft	Length of maximum span	17.6 m = 57.7 ft	Deck width, out-to-out	4.7 m = 15.4 ft	Bridge roadway width, curb-to-curb	4.1 m = 13.5 ft

Inventory Route, Total Horizontal Clearance	4.1 m = 13.5 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	Monolithic Concrete (concurrently placed with structural deck) [1]
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 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	111	Average daily truck traffi	2 %	Year	1996	Future average daily traffic	200
Year	2016						

Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	4.2 m = 13.8 ft
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	24.4 m = 80.1 ft	Total project cost	0
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructur		Appraisal ratings - roadway alignment	
Condition ratings - substructure		Appraisal ratings - deck geometry	N/A [N]
Condition ratings - deck			

Scour	Scour calculation/evaluation has not been made. [6]
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy		Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	16.3

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	July 2001 [0701]	Designated inspection frequency	24	Months

Underwater inspection		Underwater inspection date	
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Unknown [N00]	Other special inspection date	