HistoricBridges.org - National Bridge Inventory Data Sheet

2019 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]	Saginaw County [145]	Richland [68340]	0.7 MI N OF DICE ROAD	43-28-41.80 = 43.478278	084-13-49.15 = -84.230319

9243	Highway agency district: 4	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 7323		HEMLOCK ROAD	Toll: On free road [3]	Features intersected: WEEKS DRAIN	

Design - main	Steel [3]	Design - approach		Kilometerpoint	948.7 km = 588.2 mi
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built: 1956	Year reconstructed:
				Skew angle: 0	Structure Flared:
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	12.2 m = 40.0 ft	Length of maximum span	11.2 m = 36.7 ft	Deck width, out-to-out	9.1 m = 29.9 ft	Bridge roadway width, curb-to-curb	7.3 m = 24.0 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 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	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	26.4 metric ton = 29.0 tons	
1 km = 0.6 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	59.1 metric ton = 65.0 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18+Mod / HS 20+Mod [6]	

Functional Details

Average Daily Traffic	2764	Average daily truck traffi	5 %	Year	2006	Future average daily traffic	4992
Year	2026						

Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	11.6 m = 38.1 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	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	
		Bridge improvement cost	Roadway improvement cost
		Length of structure improvement	Total project cost
		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, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge with "unknown" foundation that has not been evaluated for scour. [U]		
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	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	71.4
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	November 2018 [1118]	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	