

HistoricBridges.org - National Bridge Inventory Data Sheet

2000 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]	Ingham County [065]	Wheatfield [86520]	4 M N OF DANSVILLE	00-00-00 = 0.000000	000-00-00 = -0.000000
33314H00020B010	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0		ZIMMER ROAD	Toll On free road [3]	Features intersected DEER CREEK	
Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built	1920
				Year reconstructed	1966
				Skew angle	20
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	9.7 m = 31.8 ft	Length of maximum span	9.7 m = 31.8 ft	Deck width, out-to-out	7.1 m = 23.3 ft
Inventory Route, Total Horizontal Clearance	6.5 m = 21.3 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	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	12.7 metric ton = 14.0 tons
0.8 km = 0.5 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	41.8 metric ton = 46.0 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]

Functional Details

Average Daily Traffic	320	Average daily truck traffi	0	%	Year	1993	Future average daily traffic	430	Year	2015
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	6.1 m = 20.0 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 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				
Unknown [00]	Bridge improvement cost	0	Roadway improvement cost		
	Length of structure improvement	0 m = 0.0 ft	Total project cost		
	Year of improvement cost estimate	0			
	Border bridge - state		Border bridge - percent responsibility of other state	0	
	Border bridge - structure number				

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Not Applicable [N]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
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	Better than present minimum criteria [7]	Status evaluation	
Pier or abutment protection		Sufficiency rating	42.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	July 1997 [0797]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [N24]	Underwater inspection date	
Fracture critical inspection	Unknown [N24]	Fracture critical inspection date	
Other special inspection	Unknown [N24]	Other special inspection date	