HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Shiawassee County [155]	Woodhull [88400]	5 MILES SOUTH OF LAINGSBU	42-49-08 = 42.818889	084-21-23 = -84.356389

76200002000B010	Highway agency district: 6	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		BATH ROAD	Toll: On free road [3]	Features intersected: S.BR.LOOKINGGLASS RIVER	
Design - main: Concrete [1]		Design - approach:		Kilometerpoint: 143.4 km = 88.9 mi	
1	Girder and floorbeam system [03]	0	Other [00]	Year built: 1925	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 12.5 m = 41.0 ft	Length of maximum span: 11.2 m = 36.7 ft	Deck width, out-to-out: 8.3 m = 27.2 ft	Bridge roadway width, curb-to-curb: 7 m = 23.0 ft				
Inventory Route, Total Horizontal Clearance: 6.8 m = 22.3 ft	Curb or sidewalk width - left: 0.2 m = 0.7 ft	Curb or sidewalk width - right: 0.2 m = 0.7 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: 0.6 km = 0.4 mi	Method to determine inventory rating: No rating analysis performed [5]		Inventory rating: 33 metric ton = 36.3 tons		
	Method to determine operating rating: No rating analysis performed [5]		Operating rating: 46 metric ton = 50.6 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	1850	Average daily truck traffi	10 %	Year	1992	Future average daily traffic	3330
Year	2012						
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 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

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	240000	Roadway improvement cost	25000
Length of structure improvement	18.3 m = 60.0 ft	Total project cost	280000
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 - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Fair [5]		
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	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	77.3
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			

Inspection date	April 2008 [0408]	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		