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]	Wayne County [163]	Brownstown [11220]	BROWNSTOWN COUNTY LINE	42-02-34 = 42.042778	083-12-50 = -83.213889

82200185000B010	Highway agency district: 7	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 2057		JEFFERSON AVENUE	Toll: On free road [3]	Features intersected: HURON RIVER	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 10 km = 6.2 mi	
3	Stringer/Multi-beam or girder [02]	0	Other [00]	Year built: 1930	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is on the NRHP. [1]	

Total length: 50.3 m = 165.0 ft	Length of maximum span: 16.7 m = 54.8 ft	Deck width, out-to-out: 14 m = 45.9 ft	Bridge roadway width, curb-to-curb: 11 m = 36.1 ft				
Inventory Route, Total Horizontal Clearance: 13.1 m = 43.0 ft	Curb or sidewalk width - left: 1 m = 3.3 ft	Curb or sidewalk width - right: 1 m = 3.3 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Integral Concrete (separate non-modified layer of concrete added to structural deck) [2]							
Deck protection:							
Type of membrane/wearing surface:							

Weight Limits

Bypass, detour length	Method to determine inventory rating: Allowable Stress(AS) [2]		Inventory rating: 22.7 metric ton = 25.0 tons		
1 km = 0.6 mi	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 30.9 metric ton = 34.0 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: MS 18+Mod / HS 20+Mod [6]		

Functional Details

Average Daily Traffic	4529	Average daily truck traffi	7 %	Year	1996	Future average daily traffic	4482	Year	2015

Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2	Approach roadway width	11 m = 36.1 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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Fair [5]		
Scour	Scour calculation/evaluation has not been made. [6]		
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	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	71.3
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	May 2009 [0509]	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	