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]	Calhoun County [025]	Sheridan [72980]	3.0 MI W OF JACKSON COL	42-16-03 = 42.267500	084-46-33 = -84.775833

13113083000S100	Highway agency district: 5	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		27 MILE ROAD	Toll: On free road [3]	Features intersected: I-94	
Design - main: Concrete continuous [2]		Design - approach:		Kilometerpoint: 111 km = 68.8 mi	
4	Tee beam [04]	0	Other [00]	Year built: 1960	Year reconstructed: N/A [0000]
				Skew angle: 51	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 109.7 m = 359.9 ft	Length of maximum span: 34.4 m = 112.9 ft	Deck width, out-to-out: 10.2 m = 33.5 ft	Bridge roadway width, curb-to-curb: 7.9 m = 25.9 ft
Inventory Route, Total Horizontal Clearance: 7.9 m = 25.9 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: Latex Concrete or similar additive [3]			
Deck protection:			
Type of membrane/wearing surface:			

Weight Limits

Bypass, detour length: 0.8 km = 0.5 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 38.2 metric ton = 42.0 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 76.4 metric ton = 84.0 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	900	Average daily truck traffi	3 %	Year	1988	Future average daily traffic	1225
Year	2000						
Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	6.7 m = 22.0 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	Highway, with or without ped	Lanes under structure	4	Navigation control	Not applicable, no waterway. [N]		
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	Highway beneath structure [H]						
Minimum lateral underclearance on right	3 m = 9.8 ft	Minimum lateral underclearance on left	9 m = 29.5 ft				
Minimum Vertical Underclearance	4.88 m = 16.0 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]						

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	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	74.3
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	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	June 2009 [0609]	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	