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]	Saginaw County [145]	Saint Charles [70660]	0.2 MI E OF SHARON ROAD	43-15-18 = 43.255000	084-06-16 = -84.104444

73200014000B010	Highway agency district: 4	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 7326		FERGUS RD	Toll: On free road [3]	Features intersected: SHIAWASSEE RIVER	

Design - main: 4	Steel [3]	Stringer/Multi-beam or girder [02]	Design - approach: 0	Other [00]	
Kilometerpoint: 529 km = 328.0 mi					
Year built: 1956	Year reconstructed: N/A [0000]				
Skew angle: 40	Structure Flared:				
Historical significance: Historical significance is not determinable at this time. [4]					

Total length: 67 m = 219.8 ft	Length of maximum span: 16.7 m = 54.8 ft	Deck width, out-to-out: 8.9 m = 29.2 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: Monolithic Concrete (concurrently placed with structural deck) [1]							
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: 0 metric ton = 0.0 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 0 metric ton = 0.0 tons			
	Bridge posting:	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	2353	Average daily truck traffi	5 %	Year	2005	Future average daily traffic	4250
Year	2025						

Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	9.8 m = 32.2 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

Widening of existing bridge with deck rehabilitation or replacement. [34]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	944000	Roadway improvement cost	55000
Length of structure improvement	67.4 m = 221.1 ft	Total project cost	1249000
Year of improvement cost estimate	2005		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructur		Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Critical [2]	Appraisal ratings - deck geometry	
Condition ratings - deck	Satisfactory [6]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	11.3

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	October 2009 [1009]	Designated inspection frequency	6	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	