HistoricBridges.org - National Bridge Inventory Data Sheet

2012 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]	Alger County [003]	Mathias [52360]	W LTS OF TRENARY	46-11-42 = 46.195000	086-58-20 = -86.972222

40	Highway agency district 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 67		M-67	Toll: On free road [3]	Features intersected: SCOTTS CREEK	
Design - main: Concrete [1]		Design - approach:		Kilometerpoint: 147.1 km = 91.2 mi	
1	Arch - Deck [11]	0	Other [00]	Year built: 1914	Year reconstructed: 1953
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 13.7 m = 44.9 ft	Length of maximum span: 13.7 m = 44.9 ft	Deck width, out-to-out: 13.2 m = 43.3 ft	Bridge roadway width, curb-to-curb: 11.6 m = 38.1 ft				
Inventory Route, Total Horizontal Clearance: 12.5 m = 41.0 ft	Curb or sidewalk width - left: 0.4 m = 1.3 ft	Curb or sidewalk width - right: 0.4 m = 1.3 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: 3.1 km = 1.9 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 40.5 metric ton = 44.6 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 66.9 metric ton = 73.6 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	1352	Average daily truck traffi	9 %	Year	2007	Future average daily traffic	1509	Year	2018

Road classification	Minor Arterial (Rural) [06]	Lanes on structure	2	Approach roadway width	12.2 m = 40.0 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

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	Satisfactory [6]	Appraisal ratings - deck geometry	Equal to present minimum criteria [6]
Condition ratings - deck	Fair [5]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	85.7

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	

Inspection date	May 2011 [0511]	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	