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

Pennsylvania [42]	Lawrence County [073]	Slippery Rock [71200]	1700' N.E. OF SR 2022	40-54-42 = 40.911667	080-13-01 = -80.216944

372030001016130	Highway agency district: 11	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		MOUNTVILLE RD	Toll: On free road [3]	Features intersected: SLIPPERY ROCK CREEK	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1940	Year reconstructed: N/A [0000]
				Skew angle: 45	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 57.9 m = 190.0 ft	Length of maximum span: 56.4 m = 185.0 ft	Deck width, out-to-out: 7.9 m = 25.9 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: 0.2 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: 1 km = 0.6 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 20 metric ton = 22.0 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 32.7 metric ton = 36.0 tons		
	Bridge posting: 20.0 - 29.9 % below [2]		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	119	Average daily truck traffi	3 %	Year	2007	Future average daily traffic	250
Year	2020						
Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	7.9 m = 25.9 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	4.04 m = 13.3 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]						
Minimum lateral underclearance on right	0 = N/A	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

Other structural work, including hydraulic replacements. [38]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	57.9 m = 190.0 ft	Total project cost	1000
Year of improvement cost estimate			
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	45.1

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	April 2009 [0409]	Designated inspection frequency	12	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	