HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	Berks County [011]	Perry [59448]	BERNE BRIDGE	40-31-18 = 40.521667	075-59-54 = -75.998333

67230095296110	Highway agency district: 5	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 558		FIVE LOCKS ROAD	Toll: On free road [3]	Features intersected: SCHUYLKILL RIVER	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1896	Year reconstructed: 1959
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 62.8 m = 206.0 ft	Length of maximum span: 62.2 m = 204.1 ft	Deck width, out-to-out: 6.1 m = 20.0 ft	Bridge roadway width, curb-to-curb: 5.7 m = 18.7 ft
Inventory Route, Total Horizontal Clearance: 5.7 m = 18.7 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft	
Deck structure type: Closed Grating [4]			
Type of wearing surface: Bituminous [6]			
Deck protection:			
Type of membrane/wearing surface:			

Weight Limits

Bypass, detour length: 1.3 km = 0.8 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 0 metric ton = 0.0 tons		
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 0 metric ton = 0.0 tons		
	Bridge posting:	Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	884	Average daily truck traffi		%	Year 1993	Future average daily traffic 392	Year 1999

Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	5.5 m = 18.0 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	5 m = 16.4 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	72 m = 236.2 ft	Total project cost	0
Year of improvement cost estimate			
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 - superstructure		Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	
Condition ratings - deck	Fair [5]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]
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	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	13.4

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	August 2007 [0807]	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	