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]	Pike County [103]	Shohola [70496]	SHOHOLA TWP TR 97 NY LINE	41-26-21 = 41.439167	074-49-10 = -74.819444

511011001025740 | Highway agency district: 4 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 0 | | SR 1011 | Toll: On free road [3] | Features intersected: DELAWARE RIVER

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
2	Truss - Thru [10]	0	Other [00]	Year built	1904
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is possibly eligible for the NRHP. [3]

Total length: 156.4 m = 513.1 ft | Length of maximum span: 76.8 m = 252.0 ft | Deck width, out-to-out: 4.9 m = 16.1 ft | Bridge roadway width, curb-to-curb: 4.5 m = 14.8 ft

Inventory Route, Total Horizontal Clearance: 4.5 m = 14.8 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: Wood or Timber [8]

Type of wearing surface:

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 19.9 km = 12.3 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 3.6 metric ton = 4.0 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 6.4 metric ton = 7.0 tons

Bridge posting: | Design Load: M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	28	Average daily truck traffi	10 %	Year	2009	Future average daily traffic	39
Year	2029						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	3.7 m = 12.1 ft		
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	4 m = 13.1 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	1000
Length of structure improvement	156 m = 511.8 ft	Total project cost	4000
Year of improvement cost estimate	2009		
Border bridge - state	Unknown [362]	Border bridge - percent responsibility of other state	50
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructur	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Serious [3]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	14.6

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	January 2010 [0110]	Designated inspection frequency	6	Months

Underwater inspection	Every year [Y12]	Underwater inspection date	October 2006 [1006]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	