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]	Bucks County [017]	Tinicum [76784]	POINT PLEASANT 18A04	40-25-25 = 40.423611	075-03-55 = -75.065278

091006029000330	Highway agency district: 6	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		POINT PLEASANT PK.	Toll: On free road [3]	Features intersected: PENNSYLVANIA CANAL	

Design - main: 1	Steel [3] / Truss - Thru [10]	Design - approach: 0	Other [00]	Kilometerpoint: 2518.3 km = 1561.3 mi	
				Year built: 1877	Year reconstructed: 2008
				Skew angle: 10	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 27.1 m = 88.9 ft	Length of maximum span: 26.5 m = 86.9 ft	Deck width, out-to-out: 6.2 m = 20.3 ft	Bridge roadway width, curb-to-curb: 3.7 m = 12.1 ft
Inventory Route, Total Horizontal Clearance: 3.7 m = 12.1 ft	Curb or sidewalk width - left: 0 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft	
Deck structure type: Wood or Timber [8]			
Type of wearing surface: Wood or Timber [7]			
Deck protection:			
Type of membrane/wearing surface:			

Weight Limits

Bypass, detour length: 0.3 km = 0.2 mi	Method to determine inventory rating: Allowable Stress(AS) [2]	Inventory rating: 16.3 metric ton = 17.9 tons			
	Method to determine operating rating: Allowable Stress(AS) [2]	Operating rating: 29 metric ton = 31.9 tons			
	Bridge posting:	Design Load: M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	666	Average daily truck traffi	9 %	Year	2009	Future average daily traffic	600
Year	2013						
Road classification	Minor Collector (Rural) [08]	Lanes on structure	1	Approach roadway width	6.4 m = 21.0 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 control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	420 m = 1378.0 ft	Navigation horizontal clearance	1765 m = 5791.0 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	10 m = 32.8 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	0
Length of structure improvement	27 m = 88.6 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	Good [7]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		

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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection		Sufficiency rating	49.8

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	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	January 2009 [0109]	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	