

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

The National Bridge Inventory contains data submitted by state transportation 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]	Solebury [71752]	CARVERSVILLE	18A11	40-23-11 = 40.386389	075-03-45 = - 75.062500
091003014000840	Highway agency district	6	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]
Route	0	CARVER-WISMER ROAD	Toll	On free road [3]	Features intersected	PAUNNACUSSING CREEK
Design - main	Masonry [8]	Design - approach		Kilometerpoint	1276.9 km = 791.7 mi	
2	Arch - Deck [11]	0	Other [00]	Year built	1854	Year reconstructed
				Skew angle	0	Structure Flared
				Historical significance	Bridge is eligible for the NRHP. [2]	
Total length	13.7 m = 44.9 ft	Length of maximum span	6.1 m = 20.0 ft	Deck width, out-to-out	6.4 m = 21.0 ft	Bridge roadway width, curb-to-curb
						5 m = 16.4 ft
Inventory Route, Total Horizontal Clearance	5.3 m = 17.4 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft	
Deck structure type	Not applicable [N]					
Type of wearing surface	Not applicable (applies only to structures with no deck) [N]					
Deck protection	Not applicable (applies only to structures with no deck) [N]					
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]					

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	23.6 metric ton = 26.0 tons
1.3 km = 0.8 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	47.2 metric ton = 51.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	2584	Average daily truck traffi	9	%	Year	2008	Future average daily traffic	1581	Year	2013
Road classification	Major Collector (Rural) [07]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 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	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	Work done by	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	0	Roadway improvement cost	0
	Length of structure improvement	21 m = 68.9 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	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		
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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	41.1
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	May 2008 [0508]	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	