

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]	Chester County [029]	Newlin [53784]	NEWLIN TOWNSHIP 39C01	39-56-12 = 39.936667	075-43-46 = - 75.729444
157015001003250	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	COUNTY PARK ROAD	Toll On free road [3]	Features intersected WEST BR.BRANDYWINE CREEK		
Design - main 4	Masonry [8] Arch - Deck [11]	Design - approach 0	Other [00]	Kilometerpoint 0 km = 0.0 mi	Year built 1908
				Year reconstructed N/A [0000]	Skew angle 0
				Structure Flared	Historical significance Bridge is eligible for the NRHP. [2]
Total length 43.9 m = 144.0 ft	Length of maximum span 14.3 m = 46.9 ft	Deck width, out-to-out 6 m = 19.7 ft	Bridge roadway width, curb-to-curb 4.9 m = 16.1 ft		
Inventory Route, Total Horizontal Clearance 4.9 m = 16.1 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 ft			
Deck structure type	Not applicable [N]				
Type of wearing surface	Other [9]				
Deck protection	Other [9]				
Type of membrane/wearing surface	Other [9]				

Weight Limits

Bypass, detour length 19.9 km = 12.3 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	21.8 metric ton = 24.0 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	32.7 metric ton = 36.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	20	Average daily truck traffi		%	Year	1989	Future average daily traffic	28	Year	2009
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	11.6 m = 38.1 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]			
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	0	Roadway improvement cost	0	
	Length of structure improvement	53 m = 173.9 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	Fair [5]	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 corrective action [3]
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	44.8
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	March 2009 [0309]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	March 2005 [0305]
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Unknown [N00]	Other special inspection date	