

# 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]	Uwchlan [79480]	NEAR DOWLIN 20H08	40-02-33 = 40.042500	075-41-55 = - 75.698611
157239016000020	Highway agency district 6	Owner Town or Township Highway Agency [03]	Maintenance responsibility Town or Township Highway Agency [03]		
Route 0	South [3]	DOWLIN FORGE ROAD	Toll On free road [3]	Features intersected SHAMONA CREEK	
Design - main 1	Masonry [8]	Design - approach 0	Other [00]	Kilometerpoint 0 km = 0.0 mi	
	Arch - Deck [11]			Year built 1907	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length 11 m = 36.1 ft	Length of maximum span 11 m = 36.1 ft	Deck width, out-to-out 7 m = 23.0 ft	Bridge roadway width, curb-to-curb 4.2 m = 13.8 ft		
Inventory Route, Total Horizontal Clearance 4.2 m = 13.8 ft	Curb or sidewalk width - left 1.8 m = 5.9 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 0.3 km = 0.2 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	32.7 metric ton = 36.0 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	49 metric ton = 53.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	100	Average daily truck traffi		%	Year	2000	Future average daily traffic	560	Year	2000
Road classification	Local (Rural) [09]			Lanes on structure	1		Approach roadway width	5.8 m = 19.0 ft		
Type of service on bridge	Highway-pedestrian [5]			Direction of traffic	1 - way traffic [1]		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 owner's forces [2]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	0	Roadway improvement cost	0
	Length of structure improvement	14 m = 45.9 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	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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	54
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 2008 [0808]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	August 2008 [0808]
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Every two years [Y24]	Other special inspection date	August 2009 [0809]