

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]		Easttown [21928]		SOUTH OF DEVON 24H12		40-01-24 = 40.023333		075-25-18 = - 75.421667	
152021001400000		Highway agency district 6		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 0		WATERLOO ROAD		Toll On free road [3]		Features intersected DARBY CREEK					
Design - main Concrete [1]		Design - approach		Kilometerpoint 58.6 km = 36.3 mi		Year built 1908		Year reconstructed N/A [0000]			
1 Arch - Deck [11]		0 Other [00]		Skew angle 45		Structure Flared		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 15.8 m = 51.8 ft		Length of maximum span 15.2 m = 49.9 ft		Deck width, out-to-out 6.2 m = 20.3 ft		Bridge roadway width, curb-to-curb 6 m = 19.7 ft					
Inventory Route, Total Horizontal Clearance 6 m = 19.7 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 0.5 km = 0.3 mi		Method to determine inventory rating No rating analysis performed [5]		Inventory rating 29 metric ton = 31.9 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	<input type="text" value="4083"/>	Average daily truck traffi	<input type="text" value="5"/>	%	Year	<input type="text" value="2009"/>	Future average daily traffic	<input type="text" value="5349"/>	Year	<input type="text" value="2013"/>
Road classification	<input type="text" value="Collector (Urban) [17]"/>		Lanes on structure	<input type="text" value="2"/>	Approach roadway width	<input type="text" value="6.4 m = 21.0 ft"/>				
Type of service on bridge	<input type="text" value="Highway [1]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>	Navigation control	<input type="text"/>				
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>			Navigation horizontal clearance	<input type="text" value="0 = N/A"/>					
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>				Minimum vertical clearance over bridge roadway	<input type="text" value="10 m = 32.8 ft"/>				
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>				Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>				
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>			Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>					
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

### Repair and Replacement Plans

Type of work to be performed	Work done by		<input type="text" value="Work to be done by contract [1]"/>		
<input type="text" value="Other structural work, including hydraulic replacements. [38]"/>	Bridge improvement cost	<input type="text" value="0"/>	Roadway improvement cost	<input type="text" value="0"/>	
	Length of structure improvement	<input type="text" value="23 m = 75.5 ft"/>		Total project cost	<input type="text" value="0"/>
	Year of improvement cost estimate	<input type="text" value="2005"/>			
	Border bridge - state	<input type="text"/>	Border bridge - percent responsibility of other state	<input type="text"/>	
	Border bridge - structure number	<input type="text"/>			

## 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	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	49.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	April 2009 [0409]	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	