

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]		Valley [79544]		TO LR 1004 28H03/ 3579-H2		39-59-29 = 39.991389		075-49-50 = - 75.830556	
154003001001980		Highway agency district 6		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 0		WAGONTOWN ROAD		Toll On free road [3]		Features intersected WEST BR OF BRANDYWINE CR					
Design - main Masonry [8]		Design - approach		Kilometerpoint 0 km = 0.0 mi		Year built 1918		Year reconstructed 2009			
4 Arch - Deck [11]		0 Other [00]		Skew angle 0		Structure Flared					
Historical significance Bridge is eligible for the NRHP. [2]											
Total length 54.3 m = 178.2 ft		Length of maximum span 12.2 m = 40.0 ft		Deck width, out-to-out 11 m = 36.1 ft		Bridge roadway width, curb-to-curb 7.9 m = 25.9 ft					
Inventory Route, Total Horizontal Clearance 7.9 m = 25.9 ft		Curb or sidewalk width - left 1.1 m = 3.6 ft		Curb or sidewalk width - right 1 m = 3.3 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 1.1 km = 0.7 mi		Method to determine inventory rating		No rating analysis performed [5]		Inventory rating		30.8 metric ton = 33.9 tons	
		Method to determine operating rating		No rating analysis performed [5]		Operating rating		50.8 metric ton = 55.9 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load		M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

Border bridge - state Border bridge - percent responsibility of other state

Border bridge - structure number

Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Not Applicable [N]"/>		

Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]"/>
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Channel and channel protection	<input type="text" value="Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]"/>
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Appraisal ratings - water adequacy	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text"/>
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Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="67.5"/>
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Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>
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Traffic safety features - railings	<input type="text"/>
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Traffic safety features - transitions	<input type="text"/>
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Traffic safety features - approach guardrail	<input type="text"/>
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Traffic safety features - approach guardrail ends	<input type="text"/>
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Inspection date	<input type="text" value="October 2009 [1009]"/>	Designated inspection frequency	<input type="text" value="24"/>	Months
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Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
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Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
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Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>
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