

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] Unknown [20930] 1 MI.SO.LANCA.AVE. 30H04 39-59-42 = 39.995000 075-41-59 = - 75.699722  
 10195 Highway agency district 6 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]  
 Route 322 BRANDYWINE AVENUE Toll On free road [3] Features intersected EAST BR.BRANDYWINE CREEK  
 Design - main Steel [3] Design - approach Other [00] Kilometerpoint 2505.4 km = 1553.3 mi  
 3 Girder and floorbeam system [03] 0 Other [00] Year built 1929 Year reconstructed N/A [0000]  
 Skew angle 45 Structure Flared  
 Historical significance Bridge is not eligible for the NRHP. [5]  
 Total length 65.8 m = 215.9 ft Length of maximum span 21.9 m = 71.9 ft Deck width, out-to-out 9.8 m = 32.2 ft Bridge roadway width, curb-to-curb 7 m = 23.0 ft  
 Inventory Route, Total Horizontal Clearance 7.1 m = 23.3 ft Curb or sidewalk width - left 1.6 m = 5.2 ft Curb or sidewalk width - right 0 m = 0.0 ft  
 Deck structure type Open Grating [3]  
 Type of wearing surface  
 Deck protection  
 Type of membrane/wearing surface

**Weight Limits**

Bypass, detour length 0.5 km = 0.3 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 19.1 metric ton = 21.0 tons  
 Method to determine operating rating Load Factor(LF) [1] Operating rating 32.7 metric ton = 36.0 tons  
 Bridge posting Equal to or above legal loads [5] Design Load M 18 / H 20 [4]

### 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	Open, no restriction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	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	Fair [5]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	6
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	July 2011 [0711]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Unknown [Y06]	Fracture critical inspection date	January 2011 [0111]
Other special inspection	Unknown [Y06]	Other special inspection date	January 2012 [0112]