

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]		East Brandywine [20864]		NEAR DOWLIN 20F10		40-02-05 = 40.034722	075-42-31 = - 75.708611	
10587	Highway agency district	6	Owner	State Highway Agency [01]		Maintenance responsibility	State Highway Agency [01]			
Route	0	DOWLINS FORGE RD.		Toll	On free road [3]		Features intersected EAST BR BRANDYWINE CREEK			
Design - main	Steel [3]		Design - approach			Kilometerpoint	273.6 km = 169.6 mi			
2	Stringer/Multi-beam or girder [02]		0	Other [00]		Year built	1941	Year reconstructed	N/A [0000]	
						Skew angle	30	Structure Flared		
						Historical significance	Bridge is not eligible for the NRHP. [5]			
Total length	31.4 m = 103.0 ft		Length of maximum span	15.2 m = 49.9 ft		Deck width, out-to-out	8.5 m = 27.9 ft		Bridge roadway width, curb-to-curb	7.3 m = 24.0 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 ft		Curb or sidewalk width - left	0 m = 0.0 ft		Curb or sidewalk width - right	0 m = 0.0 ft			
Deck structure type	Concrete Cast-in-Place [1]									
Type of wearing surface	Bituminous [6]									
Deck protection										
Type of membrane/wearing surface										

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	32 metric ton = 35.2 tons
0.8 km = 0.5 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	54 metric ton = 59.4 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

Other structural work, including hydraulic replacements. [38]

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="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge is scour critical; bridge foundations determined to be unstable. [3]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="65.4"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="May 2011 [0511]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Every two years [Y24]"/>	Underwater inspection date	<input type="text" value="May 2010 [0510]"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>