

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

Pennsylvania [42]		Northampton County [095]		Easton [21648]		DR.GEORGE S. SMITH BRIDGE		40-41-11.60 = 40.686556		075-12-28.00 = -75.207778	
28626		Highway agency district 5		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 611		North [1]		DR.GEO.S.SMITH BRG		Toll On free road [3]		Features intersected LEHIGH RIVER			
Design - main Concrete [1]		Design - approach		Kilometerpoint 1226.8 km = 760.6 mi		Year built 1912		Year reconstructed 1991			
3 Arch - Deck [11]		0 Other [00]		Skew angle 10		Structure Flared		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 91.4 m = 299.9 ft		Length of maximum span 30.5 m = 100.1 ft		Deck width, out-to-out 29 m = 95.1 ft		Bridge roadway width, curb-to-curb 23.2 m = 76.1 ft					
Inventory Route, Total Horizontal Clearance 23.2 m = 76.1 ft		Curb or sidewalk width - left 3 m = 9.8 ft		Curb or sidewalk width - right 2.1 m = 6.9 ft							
Deck structure type		Not applicable [N]									
Type of wearing surface		Monolithic Concrete (concurrently placed with structural deck) [1]									
Deck protection		Epoxy Coated Reinforcing [1]									
Type of membrane/wearing surface											

**Weight Limits**

Bypass, detour length 1.6 km = 1.0 mi		Method to determine inventory rating Load Factor(LF) [1]		Inventory rating 33 metric ton = 36.3 tons	
		Method to determine operating rating Load Factor(LF) [1]		Operating rating 49 metric ton = 53.9 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load MS 18 / HS 20 [5]	

### 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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection		Sufficiency rating	76.7
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			
Traffic safety features - approach guardrail ends			
Inspection date	December 2012 [1212]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	June 2012 [0612]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	