

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]		Lehigh County [077]		Whitehall [84528]		CEMENTON BRIDGE		40-41-24 = 40.690000		075-30-17 = - 75.504722	
390329013008820		Highway agency district: 5		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 329		SR 329(LR 175)		Toll On free road [3]		Features intersected LEHIGH RIVER					
Design - main Steel [3]		Design - approach Steel [3]		Kilometerpoint 945.5 km = 586.2 mi		Year built 1933		Year reconstructed N/A [0000]			
3 Truss - Thru [10]		1 Girder and floorbeam system [03]		Skew angle 23		Structure Flared					
				Historical significance Bridge is not eligible for the NRHP. [5]							
Total length 175.3 m = 575.2 ft		Length of maximum span 48.5 m = 159.1 ft		Deck width, out-to-out 7 m = 23.0 ft		Bridge roadway width, curb-to-curb 6.7 m = 22.0 ft					
Inventory Route, Total Horizontal Clearance 6.7 m = 22.0 ft		Curb or sidewalk width - left 0 m = 0.0 ft		Curb or sidewalk width - right 1.7 m = 5.6 ft							
Deck structure type		Concrete Cast-in-Place [1]									
Type of wearing surface		Latex Concrete or similar additive [3]									
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating		26.3 metric ton = 28.9 tons	
1.6 km = 1.0 mi		Method to determine operating rating		Load Factor(LF) [1]		Operating rating		44.5 metric ton = 49.0 tons	
Bridge posting				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	Posted for load [P]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

Scour	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	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]
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Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
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Pier or abutment protection		Sufficiency rating	45.1
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Culverts	Not applicable. Used if structure is not a culvert. [N]
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Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	February 2009 [0209]	Designated inspection frequency	12	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		