

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] Berks County [011] Reading [63624] PENN ST BRIDGE 40-20-07 = 40.335278 075-56-10 = - 75.936111

63422005010360 Highway agency district 5 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route #Num! East [2] US422BUS (LR 149) Toll On free road [3] Features intersected SCH.RIVER;STREETS;NOR/FO

Design - main Concrete [1] Design - approach Concrete [1] Kilometerpoint 330.1 km = 204.7 mi
 5 Arch - Deck [11] 22 Mixed types [20] Year built 1913 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared Yes, flared [1] Historical significance Bridge is not eligible for the NRHP. [5]

Total length 407.5 m = 1337.0 ft Length of maximum span 33.5 m = 109.9 ft Deck width, out-to-out 24.4 m = 80.1 ft Bridge roadway width, curb-to-curb 16.8 m = 55.1 ft

Inventory Route, Total Horizontal Clearance 16.8 m = 55.1 ft Curb or sidewalk width - left 3.4 m = 11.2 ft Curb or sidewalk width - right 3.4 m = 11.2 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 1 km = 0.6 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 9.1 metric ton = 10.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 27.2 metric ton = 29.9 tons

Bridge posting 20.0 - 29.9 % below [2] 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	Open, no restriction [A]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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]		
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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	3
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	July 2008 [0708]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	July 2008 [0708]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	July 2008 [0708]