

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] Lehigh County [077] Whitehall [84528] 391'W.OF LEHIGH RIV.BRIDG 40-39-33 = 40.659167 075-29-10 = - 75.486111
 391014004003100 Highway agency district: 5 Owner Town or Township Highway Agency [03] Maintenance responsibility Town or Township Highway Agency [03]
 Route 0 SR 1014 LEHIGH ST Toll On free road [3] Features intersected IRONTON RAIL TRAIL
 Design - main Concrete continuous [2] Design - approach Stringer/Multi-beam or girder [02] 0 Other [00] Kilometerpoint 154.5 km = 95.8 mi
 3 Year built 1933 Year reconstructed N/A [0000] Skew angle 99 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]
 Total length 31.1 m = 102.0 ft Length of maximum span 11.9 m = 39.0 ft Deck width, out-to-out 9.8 m = 32.2 ft Bridge roadway width, curb-to-curb 7.5 m = 24.6 ft
 Inventory Route, Total Horizontal Clearance 8.8 m = 28.9 ft Curb or sidewalk width - left 1.4 m = 4.6 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 0.8 km = 0.5 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 32.7 metric ton = 36.0 tons
 Method to determine operating rating No rating analysis performed [5] Operating rating 49 metric ton = 53.9 tons
 Bridge posting Equal to or above legal loads [5] Design Load

Functional Details

Average Daily Traffic	10423	Average daily truck traffi	2	%	Year	2009	Future average daily traffic	5360	Year	2013
Road classification	Collector (Urban) [17]	Lanes on structure	2	Approach roadway width	7.6 m = 24.9 ft					
Type of service on bridge	Highway-pedestrian [5]	Direction of traffic	2 - way traffic [2]		Bridge median					
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Railroad [2]	Lanes under structure	0	Navigation control	Not applicable, no waterway. [N]					
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	10 m = 32.8 ft						
Minimum lateral underclearance reference feature	Railroad beneath structure [R]									
Minimum lateral underclearance on right	0 = N/A			Minimum lateral underclearance on left	0 = N/A					
Minimum Vertical Underclearance	7 m = 23.0 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

Repair and Replacement Plans

Type of work to be performed	Work done by			Work to be done by contract [1]		
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	0	Roadway improvement cost	0		
	Length of structure improvement	31 m = 101.7 ft		Total project cost	0	
	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

Fair [5]

Appraisal ratings -
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Serious [3]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Fair [5]

Scour

Bridge not over waterway. [N]

Channel and channel protection

Not applicable. [N]

Appraisal ratings - water adequacy

N/A [N]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

17

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

December 2008 [1208]

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