

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]		Northampton County [095]		Bethlehem [06088]		0.2 MILES WEST OF PA 412		40-35-27 = 40.590833		075-20-52 = - 75.347778	
487301000090190		Highway agency district: 5		Owner County Highway Agency [02]		Maintenance responsibility		County Highway Agency [02]			
Route 0		HIGH ST,BETHLEHEM		Toll On free road [3]		Features intersected SAUCON CREEK					
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi		Year built 1936		Year reconstructed N/A [0000]			
1 Truss - Thru [10]		0 Other [00]		Skew angle 60		Structure Flared		Historical significance Historical significance is not determinable at this time. [4]			
Total length 41.1 m = 134.8 ft		Length of maximum span 39.9 m = 130.9 ft		Deck width, out-to-out 6.3 m = 20.7 ft		Bridge roadway width, curb-to-curb 5.5 m = 18.0 ft					
Inventory Route, Total Horizontal Clearance		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		Monolithic Concrete (concurrently placed with structural deck) [1]									
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length 0.1 km = 0.1 mi		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating 29 metric ton = 31.9 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 49 metric ton = 53.9 tons	
Bridge posting		10.0 - 19.9 % below [3]		Design Load M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	100	Average daily truck traffi		%	Year	1980	Future average daily traffic	140	Year	2000
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	5.8 m = 19.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
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	5 m = 16.4 ft			
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

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	50 m = 164.1 ft		Total project cost	1000					
	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="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - superstructure	<input type="text" value="Critical [2]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
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 protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="36"/>
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="June 2008 [0608]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
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"/>