

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] Lawrence County [073] New Castle [53368] 037004 NEW CASTLE 40-59-55 = 40.998611 080-20-39 = - 80.344167

377301000070040 Highway agency district 11 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 MILL ST Toll On free road [3] Features intersected NESHANNOCK CREEK

Design - main Steel [3] Design - approach Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 0 Other [00] Year built 1917 Year reconstructed 1982

Skew angle 52 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 67.4 m = 221.1 ft Length of maximum span 66.8 m = 219.2 ft Deck width, out-to-out 10.8 m = 35.4 ft Bridge roadway width, curb-to-curb 9.7 m = 31.8 ft

Inventory Route, Total Horizontal Clearance 9.7 m = 31.8 ft Curb or sidewalk width - left 2.1 m = 6.9 ft Curb or sidewalk width - right 1.7 m = 5.6 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 0.3 km = 0.2 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 20.9 metric ton = 23.0 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 34.5 metric ton = 38.0 tons

Bridge posting 20.0 - 29.9 % below [2] Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	<input type="text" value="3500"/>	Average daily truck traffi	<input type="text" value="10"/>	%	Year	<input type="text" value="2005"/>	Future average daily traffic	<input type="text" value="5000"/>	Year	<input type="text" value="2025"/>	
Road classification	<input type="text" value="Local (Urban) [19]"/>		Lanes on structure	<input type="text" value="2"/>		Approach roadway width	<input type="text" value="10.1 m = 33.1 ft"/>				
Type of service on bridge	<input type="text" value="Highway-pedestrian [5]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>				
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>										
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text"/>				
Navigation vertical clearanc	<input type="text" value="0 = N/A"/>		Navigation horizontal clearance	<input type="text" value="0 = N/A"/>							
Minimum navigation vertical clearance, vertical lift bridge	<input type="text"/>		Minimum vertical clearance over bridge roadway	<input type="text" value="9 m = 29.5 ft"/>							
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>										
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>				
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>		Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>							
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>										

Repair and Replacement Plans

Type of work to be performed	Work done by <input type="text" value="Work to be done by contract [1]"/>				
<input type="text" value="Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]"/>	Bridge improvement cost	<input type="text" value="0"/>	Roadway improvement cost	<input type="text" value="0"/>	
	Length of structure improvement	<input type="text" value="67 m = 219.8 ft"/>		Total project cost	<input type="text" value="2000"/>
	Year of improvement cost estimate	<input type="text"/>			
	Border bridge - state	<input type="text"/>	Border bridge - percent responsibility of other state	<input type="text"/>	
	Border bridge - structure number	<input type="text"/>			

Inspection and Sufficiency

Structure status	<input type="text" value="Posted for load [P]"/>	Appraisal ratings - structural	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - superstructure	<input type="text" value="Poor [4]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
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="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="50.3"/>
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" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="September 2009 [0909]"/>	Designated inspection frequency	<input type="text" value="12"/> 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"/>