

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]		Wayne [81776]		WAYNE TWP.O/SLIPPERY ROCK		40-53-02 = 40.883889		080-14-01 = - 80.233611	
372005004000000		Highway agency district 11		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 0		VANGORDERS MILL RD		Toll On free road [3]		Features intersected SLIPPERY ROCK CREEK					
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi		Year built 1891		Year reconstructed 1954			
2 Truss - Thru [10]		0 Other [00]		Skew angle 0		Structure Flared		Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 84.4 m = 276.9 ft		Length of maximum span 41.8 m = 137.1 ft		Deck width, out-to-out 4.9 m = 16.1 ft		Bridge roadway width, curb-to-curb 4.6 m = 15.1 ft					
Inventory Route, Total Horizontal Clearance 4.6 m = 15.1 ft		Curb or sidewalk width - left 0 m = 0.0 ft		Curb or sidewalk width - right 0 m = 0.0 ft							
Deck structure type		Open Grating [3]									
Type of wearing surface		Other [9]									
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length 0.5 km = 0.3 mi		Method to determine inventory rating		Allowable Stress(AS) [2]		Inventory rating 17.1 metric ton = 18.8 tons	
		Method to determine operating rating		Allowable Stress(AS) [2]		Operating rating 25.2 metric ton = 27.7 tons	
Bridge posting				Design Load		M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	204	Average daily truck traffi	9	%	Year	2003	Future average daily traffic	600	Year	2018
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	4.9 m = 16.1 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	0 m = 0.0 ft			Minimum vertical clearance over bridge roadway	4.59 m = 15.1 ft					
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	99.9 = Unlimited				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]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1380000	Roadway improvement cost	593000		
	Length of structure improvement	114.3 m = 375.0 ft		Total project cost	2718000	
	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="Serious [3]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
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 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]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text" value="Structurally deficient [1]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="18"/>
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 2002 [0602]"/>	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"/>

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Basic Information

Pennsylvania [42] Lawrence County [073] Taylor [76192] wayne twp 40-53-02 = 40.883889 080-14-00 = - 80.233333
 45595 Highway agency district 11 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]
 Route 0 VanGorders Mill RD Toll On free road [3] Features intersected Slippery Rock Creek
 Design - main Steel continuous [4] Design - approach Stringer/Multi-beam or girder [02] Other [00] Kilometerpoint 0.3 km = 0.2 mi
 2 Year built 2009 Year reconstructed N/A [0000] Skew angle 90 Structure Flared
 Historical significance Historical significance is not determinable at this time. [4]
 Total length 94.8 m = 311.0 ft Length of maximum span 45.7 m = 149.9 ft Deck width, out-to-out 10.1 m = 33.1 ft Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft
 Inventory Route, Total Horizontal Clearance 9.1 m = 29.9 ft Curb or sidewalk width - left 3.3 m = 10.8 ft Curb or sidewalk width - right 3.3 m = 10.8 ft
 Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Low slump Concrete [4]
 Deck protection Epoxy Coated Reinforcing [1]
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0 km = 0.0 mi Method to determine inventory rating Load and Resistance Factor(LRFR) [3] Inventory rating 57 metric ton = 62.7 tons
 Method to determine operating rating Load and Resistance Factor(LRFR) [3] Operating rating 74 metric ton = 81.4 tons
 Bridge posting Equal to or above legal loads [5] Design Load

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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Superior to present desirable criteria [9]"/>
Condition ratings - superstructure	<input type="text" value="Excellent [9]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Better than present minimum criteria [7]"/>
Condition ratings - substructure	<input type="text" value="Excellent [9]"/>	Appraisal ratings - deck geometry	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - deck	<input type="text" value="Excellent [9]"/>		
Scour	<input [u]"="" been="" evaluated="" for="" foundation="" has="" not="" scour.="" that="" type="text" unknown\"="" value="Bridge with \"/>		
Channel and channel protection	<input type="text" value="There are no noticeable or noteworthy deficiencies which affect the condition of the channel. [9]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="100"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - transitions	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
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="June 2010 [0610]"/>	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"/>