

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]		Beaver County [007]		Darlington [18200]		004017 YOUNG'S BRIDGE		40-50-38 = 40.843889		080-24-45 = - 80.412500	
047204067940170		Highway agency district 11		Owner County Highway Agency [02]		Maintenance responsibility		County Highway Agency [02]			
Route 0		SYLVANIA DR		Toll On free road [3]		Features intersected LITTLE BEAVER CREEK					
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi		Year built 1935		Year reconstructed 2003			
1 Truss - Thru [10]		0 Other [00]		Skew angle 0		Structure Flared					
				Historical significance Bridge is possibly eligible for the NRHP. [3]							
Total length 29.9 m = 98.1 ft		Length of maximum span 28 m = 91.9 ft		Deck width, out-to-out 4.3 m = 14.1 ft		Bridge roadway width, curb-to-curb 4 m = 13.1 ft					
Inventory Route, Total Horizontal Clearance 4 m = 13.1 ft		Curb or sidewalk width - left 0.2 m = 0.7 ft		Curb or sidewalk width - right 0.2 m = 0.7 ft							
Deck structure type		Wood or Timber [8]									
Type of wearing surface		Wood or Timber [7]									
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 4.5 metric ton = 5.0 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 5.4 metric ton = 5.9 tons	
Bridge posting				Design Load M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	50	Average daily truck traffi	0	%	Year	2006	Future average daily traffic	55	Year	2025
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	3.7 m = 12.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		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	4 m = 13.1 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]							
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	0	Roadway improvement cost	0						
	Length of structure improvement	29 m = 95.1 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

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of replacement [2]

Condition ratings - superstructure

Fair [5]

Appraisal ratings -
roadway alignment

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Satisfactory [6]

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

Equal to present minimum criteria [6]

Status evaluation

Pier or abutment protection

Sufficiency rating

17.8

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

March 2009 [0309]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

March 2009 [0309]

Other special inspection

Not needed [N]

Other special inspection date