

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information	
Pennsylvania [42]	Fayette County [051] Perry [59464] LAYTON BRIDGE
264038011000000	Highway agency district 12 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]
Route 0	SR 4038 Toll On free road [3] Features intersected YOUGHIOGHENY RIVER/TRAIL
Design - main Steel [3]	Design - approach Steel [3] Kilometerpoint 602.4 km = 373.5 mi
2	Truss - Thru [10] 15 Stringer/Multi-beam or girder [02] Year built 1892 Year reconstructed 1984
	Skew angle 0 Structure Flared Yes, flared [1]
	Historical significance Bridge is on the NRHP. [1]
Total length 277.7 m = 911.1 ft	Length of maximum span 55.2 m = 181.1 ft Deck width, out-to-out 4.4 m = 14.4 ft Bridge roadway width, curb-to-curb 4 m = 13.1 ft
Inventory Route, Total Horizontal Clearance 3.7 m = 12.1 ft	Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 1.2 m = 3.9 ft
Deck structure type	Wood or Timber [8]
Type of wearing surface	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	

Weight Limits	
Bypass, detour length 2.3 km = 1.4 mi	Method to determine inventory rating Load Factor(LF) [1] Inventory rating 19.1 metric ton = 21.0 tons
	Method to determine operating rating Load Factor(LF) [1] Operating rating 32.7 metric ton = 36.0 tons
Bridge posting 30.0 - 39.9 % below [1]	Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	1256	Average daily truck traffi	4	%	Year	2009	Future average daily traffic	1800	Year	2028
Road classification	Major Collector (Rural) [07]	Lanes on structure	1	Approach roadway width	4 m = 13.1 ft					
Type of service on bridge	Highway-pedestrian [5]	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	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]								
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	1000						
	Length of structure improvement	282 m = 925.2 ft		Total project cost	3000					
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	28.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	June 2008 [0608]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	July 2009 [0709]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	June 2008 [0608]