

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]		Bedford County [009]		Napier [52648]		NEAR SR30 & SR31		40-01-30.00 = 40.025000		078-34-24.00 = -78.573333	
4417		Highway agency district: 9		Owner State Toll Authority [31]		Maintenance responsibility		State Toll Authority [31]			
Route 0		T-453; DIEHL RD.		Toll On free road [3]		Features intersected PA TPK (I-76)					
Design - main Concrete [1]		Design - approach		Kilometerpoint 0 km = 0.0 mi		Year built 1939		Year reconstructed N/A [0000]			
1		Frame [07]		0		Other [00]		Skew angle 0		Structure Flared	
						Historical significance Historical significance is not determinable at this time. [4]					
Total length 26.5 m = 86.9 ft		Length of maximum span 23.8 m = 78.1 ft		Deck width, out-to-out 7.1 m = 23.3 ft		Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft					
Inventory Route, Total Horizontal Clearance 6.1 m = 20.0 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		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		Method to determine inventory rating		Inventory rating	
0.6 km = 0.4 mi				28.1 metric ton = 30.9 tons	
		Method to determine operating rating		Operating rating	
				47.2 metric ton = 51.9 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	200	Average daily truck traffi	9	%	Year	1992	Future average daily traffic	315	Year	2030
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	6.4 m = 21.0 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	Highway, with or without ped		Lanes under structure	4		Navigation control	Not applicable, no waterway. [N]			
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	99.99 m = 328.1 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	2.6 m = 8.5 ft				Minimum lateral underclearance on left	0.9 m = 3.0 ft				
Minimum Vertical Underclearance	4.3 m = 14.1 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	15000	Roadway improvement cost	45000						
	Length of structure improvement	34 m = 111.6 ft		Total project cost	206000					
	Year of improvement cost estimate									
	Border bridge - state				Border bridge - percent responsibility of other state					
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	47.5
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	September 2018 [0918]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	