

HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

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]	Lancaster County [071]	West Cocalico [82728]	05 MI NORTH OF SCHOENEC	40-14-43.52 = 40.245422	076-10-38.31 = -76.177308
21782	Highway agency district: 8	Owner State Toll Authority [31]	Maintenance responsibility State Toll Authority [31]		
Route 0		SR 1047, LR3613	Toll On free road [3]	Features intersected PA TPK (I-76)	
Design - main	Concrete [1]	Design - approach		Kilometerpoint 615.7 km = 381.7 mi	
1	Frame [07]	0	Other [00]	Year built 1950	Year reconstructed N/A [0000]
				Skew angle 16	Structure Flared
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	27.7 m = 90.9 ft	Length of maximum span	24.7 m = 81.0 ft	Deck width, out-to-out	9.5 m = 31.2 ft
Inventory Route, Total Horizontal Clearance	8.5 m = 27.9 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	Not applicable [N]				
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	42.6 metric ton = 46.9 tons
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	70.8 metric ton = 77.9 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	2253	Average daily truck traffi	9	%	Year	2018	Future average daily traffic	2388	Year	2030
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	8.5 m = 27.9 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	3 m = 9.8 ft					Minimum lateral underclearance on left	1.2 m = 3.9 ft			
Minimum Vertical Underclearance	5.21 m = 17.1 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Meets minimum tolerable limits to be left in place as is [4]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by owner's forces [2]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	8000	Roadway improvement cost	23000
	Length of structure improvement	35 m = 114.8 ft	Total project cost	107000
	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	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	
Pier or abutment protection		Sufficiency rating	87.1
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	April 2017 [0417]	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	