

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]	WEST COCALICO TWP		40-14-48.00 = 40.246667	076-12-18.00 = -76.205000
21781		Highway agency district: 8		Owner	State Toll Authority [31]		Maintenance responsibility State Toll Authority [31]	
Route	0		T-652	Toll	On free road [3]		Features intersected PA TPK (I-76)	
Design - main	Concrete [1]		Design - approach			Kilometerpoint	0 km = 0.0 mi	
	1	Frame [07]		0	Other [00]	Year built	1949	Year reconstructed N/A [0000]
				Skew angle	24	Structure Flared		
				Historical significance		Bridge is not eligible for the NRHP. [5]		
Total length	29.3 m = 96.1 ft		Length of maximum span	25.9 m = 85.0 ft		Deck width, out-to-out	7.7 m = 25.3 ft	Bridge roadway width, curb-to-curb 6.7 m = 22.0 ft
Inventory Route, Total Horizontal Clearance		6.7 m = 22.0 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			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	35.4 metric ton = 38.9 tons
0.3 km = 0.2 mi	Method to determine operating rating		Operating rating	59.9 metric ton = 65.9 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	6	%	Year	1992	Future average daily traffic	315	Year	2030
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	7 m = 23.0 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	3.1 m = 10.2 ft					Minimum lateral underclearance on left	1.2 m = 3.9 ft			
Minimum Vertical Underclearance	4.89 m = 16.0 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 contract [1]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	18000	Roadway improvement cost	53000
	Length of structure improvement	37 m = 121.4 ft	Total project cost	244000
	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	Satisfactory [6]	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	84
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	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	