HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Cumberland County [041]	Middlesex [49072]	MIDDLESEX TWP	40-13-24.00 = 40.223333	077-07-30.00 = -77.125000

14017	Highway agency district:	8	Owner	State Toll Authority [31]	Maintenance responsibility	State Toll Authority [31]	
Route	1005		SR 1005, LR 21011	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	1950	Year reconstructed	N/A [0000]
				Skew angle	31	Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]		

Total length	31.4 m = 103.0 ft	Length of maximum span	28 m = 91.9 ft	Deck width, out-to-out	9.8 m = 32.2 ft	Bridge roadway width, curb-to-curb	8.5 m = 27.9 ft
Inventory Route, Total Horizontal Clearance	8.5 m = 27.9 ft	Curb or sidewalk width - left	0.3 m = 1.0 ft	Curb or sidewalk width - right	0.3 m = 1.0 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	Load Factor(LF) [1]	Inventory rating	32.7 metric ton = 36.0 tons	
0.5 km = 0.3 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	54.4 metric ton = 59.8 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	3159	Average daily truck traffi	9 %	Year	2001	Future average daily traffic	4465
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	4.47 m = 14.7 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]						

Repair and Replacement Plans

Type of work to be performed

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by owner's forces [2]		
Bridge improvement cost	9000	Roadway improvement cost	27000
Length of structure improvement	39 m = 128.0 ft	Total project cost	123000
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	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	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	Good [7]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	77
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]		
Inspection date	February 2017 [0217]	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	