

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]	Brecknock [08352]	2 MI S OF ADAMSTOWN	40-12-46.74 = 40.212983	076-03-28.19 = -76.057831
21797	Highway agency district: 8	Owner State Toll Authority [31]	Maintenance responsibility	State Toll Authority [31]	
Route 897	LR 36012,SR 0897	Toll On free road [3]	Features intersected	PA TPK (I-76)	
Design - main	Steel [3]	Design - approach		Kilometerpoint	2804.9 km = 1739.0 mi
1	Girder and floorbeam system [03]	0	Other [00]	Year built	1950
				Year reconstructed	N/A [0000]
				Skew angle	34
				Structure Flared	
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	32 m = 105.0 ft	Length of maximum span	30.5 m = 100.1 ft	Deck width, out-to-out	11.3 m = 37.1 ft
Inventory Route, Total Horizontal Clearance	9.1 m = 29.9 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	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	30.8 metric ton = 33.9 tons
1.4 km = 0.9 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	51.7 metric ton = 56.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	5342	Average daily truck traffi	7	%	Year	2017	Future average daily traffic	7394	Year	2030
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	10.1 m = 33.1 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	2.5 m = 8.2 ft					Minimum lateral underclearance on left	1.2 m = 3.9 ft			
Minimum Vertical Underclearance	4.45 m = 14.6 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 owner's forces [2]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	21000	Roadway improvement cost	63000
	Length of structure improvement	40 m = 131.2 ft	Total project cost	287000
	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	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
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	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	69.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
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	Every two years [Y24]	Fracture critical inspection date	April 2017 [0417]
Other special inspection	Not needed [N]	Other special inspection date	