

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]	Denver [18888]	DENVER BORO	40-14-23.93 = 40.239981	076-08-07.84 = -76.135511
21787	Highway agency district: 8	Owner State Toll Authority [31]	Maintenance responsibility State Toll Authority [31]		
Route 0	LR36001, SR 1045	Toll On free road [3]	Features intersected PA TPK (I-76)		
Design - main	Steel [3]	Design - approach		Kilometerpoint 459 km = 284.6 mi	
1	Girder and floorbeam system [03]	0	Other [00]	Year built 1950	Year reconstructed N/A [0000]
				Skew angle 19	Structure Flared
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	26.8 m = 87.9 ft	Length of maximum span	26.2 m = 86.0 ft	Deck width, out-to-out	14 m = 45.9 ft
Inventory Route, Total Horizontal Clearance	10.6 m = 34.8 ft	Curb or sidewalk width - left	1.5 m = 4.9 ft	Curb or sidewalk width - right	1.5 m = 4.9 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	Load Factor(LF) [1]	Inventory rating	29.9 metric ton = 32.9 tons
0.1 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	50.8 metric ton = 55.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	3921	Average daily truck traffi	5	%	Year	2017	Future average daily traffic	6996	Year	2030
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	10.7 m = 35.1 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	2.9 m = 9.5 ft					Minimum lateral underclearance on left	1.2 m = 3.9 ft			
Minimum Vertical Underclearance	4.54 m = 14.9 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	23000	Roadway improvement cost	67000
	Length of structure improvement	34 m = 111.6 ft	Total project cost	308000
	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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Fair [5]		
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	78.5
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	March 2017 [0317]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2017 [0317]
Other special inspection	Not needed [N]	Other special inspection date	