

HistoricBridges.org - National Bridge Inventory Data Sheet

2014 Inventor

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]	Montgomery County [091]	Lower Frederick [44912]	.9 Mi SW PA-29	3029-C4	40-17-12.94 = 40.286928	075-29-42.75 = -75.495208
27922	Highway agency district	6	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]
Route	73		SIMMONS ROAD	Toll	On free road [3]	Features intersected
						SCIOTO CREEK
Design - main	Masonry [8]	Design - approach		Kilometerpoint	0 km = 0.0 mi	
2	Arch - Deck [11]	0	Other [00]	Year built	1915	Year reconstructed
						N/A [0000]
				Skew angle	0	Structure Flared
				Historical significance	Bridge is not eligible for the NRHP. [5]	
Total length	11.6 m = 38.1 ft	Length of maximum span	5.2 m = 17.1 ft	Deck width, out-to-out	7 m = 23.0 ft	Bridge roadway width, curb-to-curb
						6 m = 19.7 ft
Inventory Route, Total Horizontal Clearanc	6 m = 19.7 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft	
Deck structure type	Not applicable [N]					
Type of wearing surface	Not applicable (applies only to structures with no deck) [N]					
Deck protection	Not applicable (applies only to structures with no deck) [N]					
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]					

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	15.4 metric ton = 16.9 tons
0.1 km = 0.1 mi	Method to determine operating rating		Operating rating	23.6 metric ton = 26.0 tons
	Bridge posting	30.0 - 39.9 % below [1]	Design Load	

Functional Details

Average Daily Traffic	75	Average daily truck traffi		%	Year	1977	Future average daily traffic	150	Year	2015
Road classification	Local (Rural) [09]		Lanes on structure	2		Approach roadway width	5.8 m = 19.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designatio	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control				
Navigation vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	10 m = 32.8 ft						
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	0 = N/A		Minimum vertical underclearance reference feature	Feature not a highway or railroad [N]						
Appraisal ratings - underclearances	N/A [N]									

Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	0	Roadway improvement cost	0
	Length of structure improvement	17 m = 55.8 ft	Total project cost	0
	Year of improvement cost estimate			
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Critical [2]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Not Applicable [N]		
Scour	Bridge is scour critical; field review indicates that extensive scour has occurred at bridge foundations. [2]		
Channel and channel protection	Bank protection has failed. River control devices have been destroyed. Stream bed aggradation, degradation or lateral movement has changed the channel to now threaten the bridge and/or approach roadway. [3]		
Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	39
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	August 2012 [0812]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [N00]	Underwater inspection date	
Fracture critical inspection	Unknown [N00]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	April 2013 [0413]