

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]	Allegheny County [003]	Pittsburgh [61000]	301100 OV RR&PAT BSWY9804	40-27-42 = 40.461667	079-55-30 = - 79.925000
027301000031000	Highway agency district 11	Owner City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route 0		SOUTH HIGHLAND AV	Toll On free road [3]	Features intersected CONRAIL,E BSWY,RAVENNAST	
Design - main	Steel [3]	Design - approach		Kilometerpoint 0 km = 0.0 mi	
2	Girder and floorbeam system [03]	0	Other [00]	Year built 1925	Year reconstructed 1966
				Skew angle 70	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 35.7 m = 117.1 ft	Length of maximum span 23.2 m = 76.1 ft	Deck width, out-to-out 18.2 m = 59.7 ft	Bridge roadway width, curb-to-curb 11 m = 36.1 ft		
Inventory Route, Total Horizontal Clearance 11 m = 36.1 ft	Curb or sidewalk width - left 2.9 m = 9.5 ft	Curb or sidewalk width - right 2.9 m = 9.5 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 0.3 km = 0.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 39 metric ton = 42.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 65.3 metric ton = 71.8 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	7296	Average daily truck traffi	5	%	Year	2005	Future average daily traffic	8026	Year	2018
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	11 m = 36.1 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway-railroad [4]		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			Minimum vertical clearance over bridge roadway	10 m = 32.8 ft						
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	5.2 m = 17.1 ft					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	4 m = 13.1 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	0	Roadway improvement cost	0
	Length of structure improvement	36 m = 118.1 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	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	58.2
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	November 2009 [1109]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 1999 [1099]
Other special inspection	Not needed [N]	Other special inspection date	