

# 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]	Washington County [125]	West Brownsville [82616]	BROWNSVILLE HIGH-LEVEL	40-01-35.70 = 40.026583	079-53-18.46 = -79.888461
34398	Highway agency district: 12	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 40	SR 0040	Toll On free road [3]	Features intersected MON,0088,4003,4035,2 R/R		
Design - main	Steel continuous [4]	Design - approach	Steel continuous [4]	Kilometerpoint	6057.4 km = 3755.6 mi
3	Truss - Deck [09]	9	Girder and floorbeam system [03]	Year built	1960
				Year reconstructed	2002
				Skew angle	15
				Structure Flared	Yes, flared [1]
				Historical significance	Bridge is possibly eligible for the NRHP. [3]
Total length	650.1 m = 2133.0 ft	Length of maximum span	157.9 m = 518.1 ft	Deck width, out-to-out	19.8 m = 65.0 ft
Inventory Route, Total Horizontal Clearance	9.1 m = 29.9 ft	Curb or sidewalk width - left	0.8 m = 2.6 ft	Curb or sidewalk width - right	0.2 m = 0.7 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	36.3 metric ton = 39.9 tons
3.9 km = 2.4 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	60.8 metric ton = 66.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 22.5 / HS 25 or greater [9]

## Functional Details

Average Daily Traffic	11691	Average daily truck traffi	4	%	Year	2018	Future average daily traffic	12056	Year	2035
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	4		Approach roadway width	19.5 m = 64.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median	Closed median with non-mountable barr			
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway-waterway-railroad [8]		Lanes under structure	48		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	385.2 m = 1263.8 ft			Navigation horizontal clearance	2745.7 m = 9008.6 ft					
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	0.7 m = 2.3 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	4.52 m = 14.8 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 contract [1]		
Bridge deck rehabilitation with only incidental widening. [36]	Bridge improvement cost	343000	Roadway improvement cost	1009000
	Length of structure improvement	650 m = 2132.7 ft	Total project cost	4626000
	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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
Channel and channel protection	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	75
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	October 2017 [1017]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	November 2015 [1115]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2017 [1017]
Other special inspection	Not needed [N]	Other special inspection date	