HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Carnegie [11336]	CC06 CHARTIERS CRK # 6	40-24-07 = 40.401944	080-05-18 = -80.088333

027415000020660 | Highway agency district: 11 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 0 | | CAROTHERS ST | Toll: On free road [3] | Features intersected: CHARTIERS CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	0 km = 0.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1927
				Year reconstructed	1979
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length	44.5 m = 146.0 ft	Length of maximum span	42.7 m = 140.1 ft	Deck width, out-to-out	9.9 m = 32.5 ft	Bridge roadway width, curb-to-curb	8.5 m = 27.9 ft
Inventory Route, Total Horizontal Clearance	8.5 m = 27.9 ft	Curb or sidewalk width - left	1.7 m = 5.6 ft	Curb or sidewalk width - right	1.7 m = 5.6 ft		

Deck structure type	Closed Grating [4]
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	38.1 metric ton = 41.9 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	64.4 metric ton = 70.8 tons
	Bridge posting	20.0 - 29.9 % below [2]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	8513	Average daily truck traffi	4 %	Year	2006	Future average daily traffic	14821	Year	2026
Road classification	Local (Urban) [19]	Lanes on structure	2	Approach roadway width	9.1 m = 29.9 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	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

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by owner's forces [2]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	44 m = 144.4 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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
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		Sufficiency rating	60.1

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	
Traffic safety features - approach guardrail	
Traffic safety features - approach guardrail ends	

Inspection date	June 2009 [0609]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	