## HistoricBridges.org - National Bridge Inventory Data Sheet

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						40-28-18 =	079-58-12 = -
Pennsylvania [42]	ennsylvania [42] Allegheny County [003]		Pittsburgh [61000] 40TH ST.BR.O/ALLEG.RIVER		40.471667	79.970000	
1674 Highway agency district 11		Owner State Highway A	Owner State Highway Agency [01] Maintenance responsibility		State Highway Ag	ency [01]	
Route 0 FORTIETH STREET BR			Toll On free road [3] Features intersected NSRC, CSX			C, CSX, AVR	
Design - Steel [3] main		Design - approach Steel	[3]	Kilometerpoint 0 km = 9 Year built 1924	0.0 mi  Year reconstructed	1991	
3 Arch - Deck [11] 13 Girde		der and floorbeam system [03] Skew angle 99		Structure Flared			
				Historical significance	Bridge is not eligible		
Total length 741.3 m	n = 2432.2 ft Lenç	gth of maximum sp	an 115.8 m = 379.9 ft	Deck width, out-to-out 16	5.5 m = 54.1 ft Bridg	e roadway width, curb-to-c	turb 11.9 m = 39.0 ft
Inventory Route, Total Horizontal Clearance 11.9 m = 39.0 ft		Curb or sidewalk w	Curb or sidewalk width - left 1.7 m = 5.6 ft Curb or side		or sidewalk width - right	1.7 m = 5.6 ft	
Deck structure type	Co	oncrete Cast-in-Pla	ce [1]				
Type of wearing surface Monolithic Concrete (		(concurrently placed with structural deck) [1]					
Deck protection							
Type of membrane/we	earing surface						
Weight Limits							
Bypass, detour length Method to determine inventory rating		Load Factor(LF) [1]	Invento	ry rating 31 metric	ton = 34.1 tons		
0.8 km = 0.5 mi Method to determine operating rating		Load Factor(LF) [1]	Operation	Operating rating 52 metric ton = 57.2 tons			
Bridge posting Equal to or above legal loads [5]				Design	Load		

Functional Details							
Average Daily Traffic 26562 Average daily tr	ruck traffi 7 % Year 2013 Future average daily traffic 32495 Year 2032						
Road classification Other Principal Arterial (Urban)	[14] Lanes on structure 3 Approach roadway width 11.9 m = 39.0 ft						
Type of service on bridge Highway-pedestrian [5]	Direction of traffic 2 - way traffic [2]  Bridge median						
Parallel structure designation No parallel structure	re exists. [N]						
Type of service under bridge Highway-waterway-rai	ilroad [ Lanes under structure 2 Navigation control Navigation control on waterway (bridge permit required). [1]						
Navigation vertical clearanc 896.6 m = 2941.7 ft	Navigation horizontal clearance 4363.4 m = 14316.3 ft						
Minimum navigation vertical clearance, vertical lift bri	Minimum vertical clearance over bridge roadway 5 m = 16.4 ft						
Minimum lateral underclearance reference feature R	Railroad beneath structure [R]						
Minimum lateral underclearance on right 0 = N/A Minimum lateral underclearance on left 0 = N/A							
Minimum Vertical Underclearance 4 m = 13.1 ft	Minimum vertical underclearance reference feature Railroad beneath structure [R]						
Appraisal ratings - underclearances Basically intoler	rable requiring high priority of corrrective 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 1000 Roadway improvement cost 4000						
deterioration of inddequate strength. [55]	Length of structure improvement 721 m = 2365.6 ft Total project cost 18000						
	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 i	restriction [A]	Appraisal ratings - structural	Somewhat better than mini is [5]	imum adequacy to tolerate being left in place as				
Condition ratings - superstructure Fair [5]		Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]					
Condition ratings - substructure	Fair [5]	Appraisal ratings -	Basically intolerable requiring high priority of corrrective action [3]					
Condition ratings - deck Good [7]		deck geometry						
Scour	Bridge foundati	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 adequ	acy Superior to pre	sent desirable criteria [9]	Status evaluation	Functionally obsolete [2]				
Pier or abutment protection	Navigation pro	tection not required [1]	Sufficiency ratir	50.5				
Culverts Not applicable. Use	d if structure is not a culv	vert. [N]						
Traffic safety features - railings	5	Inpected feature meets currently acce	ture meets currently acceptable standards. [1]					
Traffic safety features - transit	ons	Inpected feature meets currently acce	ature meets currently acceptable standards. [1]					
Traffic safety features - approa	ich guardrail	Inpected feature meets currently acce	sture meets currently acceptable standards. [1]					
Traffic safety features - approa	ich guardrail ends	Inpected feature meets currently acce	ture meets currently acceptable standards. [1]					
Inspection date May 2011 [0511] Designated inspection frequency 24 Months								
Underwater inspection	Unknown [Y60]	Underwater inspe	September September	2012 [0912]				
Fracture critical inspection	Not needed [N]	Fracture critical in	spection date					
Other special inspection	Not needed [N]	Other special insp	ection date					