

# HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	Montgomery County [091]	Lower Frederick [44912]	OLD GRAVEL PIKE 14A06	40-16-21 = 40.272500	075-28-27 = - 75.474167
467046088001010	Highway agency district 6	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 73		OLD GRAVEL PIKE	Toll On free road [3]	Features intersected SWAMP CREEK	
Design - main	Masonry [8]	Design - approach		Kilometerpoint 0 km = 0.0 mi	
3	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 30.8 m = 101.1 ft	Length of maximum span 10.7 m = 35.1 ft	Deck width, out-to-out 7.1 m = 23.3 ft	Bridge roadway width, curb-to-curb 6 m = 19.7 ft		
Inventory Route, Total Horizontal Clearance 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 0.1 km = 0.1 mi	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	0 metric ton = 0.0 tons
	Method to determine operating rating	No rating analysis performed [5]	Operating rating	0 metric ton = 0.0 tons
	Bridge posting		Design Load	

### Functional Details

Average Daily Traffic	100	Average daily truck traffi	0	%	Year	1977	Future average daily traffic	140	Year	1997
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	6.1 m = 20.0 ft			
Type of service on bridge	Highway [1]		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	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	38 m = 124.7 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

Bridge closed to all traffic [K]

Appraisal ratings -  
structural

Condition ratings - superstructure

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 is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

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 2008 [0808]

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