

# 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]		Clearfield County [033]		Mahaffey [46568]		MAHAFFEY		40-52-05 = 40.868056		078-43-14 = - 78.720556	
173001024000000		Highway agency district 2		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 0		SR 3001		Toll On free road [3]		Features intersected CHEST CREEK					
Design - main Steel [3]		Design - approach		Kilometerpoint 1867.6 km = 1157.9 mi							
1 Truss - Thru [10]		0 Other [00]		Year built 1936		Year reconstructed N/A [0000]					
				Skew angle 0		Structure Flared					
				Historical significance Bridge is not eligible for the NRHP. [5]							
Total length 48.2 m = 158.1 ft		Length of maximum span 46.6 m = 152.9 ft		Deck width, out-to-out 7.5 m = 24.6 ft		Bridge roadway width, curb-to-curb 7 m = 23.0 ft					
Inventory Route, Total Horizontal Clearance 7 m = 23.0 ft		Curb or sidewalk width - left 0.3 m = 1.0 ft		Curb or sidewalk width - right 0.3 m = 1.0 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 1.6 km = 1.0 mi		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating 17.2 metric ton = 18.9 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 28.1 metric ton = 30.9 tons	
Bridge posting 30.0 - 39.9 % below [1]				Design Load		M 13.5 / H 15 [2]	

### Functional Details

Average Daily Traffic	507	Average daily truck traffi	9	%	Year	2009	Future average daily traffic	1014	Year	2029
Road classification	Local (Rural) [09]		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	0 m = 0.0 ft					Minimum vertical clearance over bridge roadway	3.89 m = 12.8 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	48.2 m = 158.1 ft	Total project cost	1000		
	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 other load-capacity restriction [R]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Serious [3]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	7.2
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	March 2009 [0309]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	March 2006 [0306]
Other special inspection	Every year [Y12]	Other special inspection date	June 1997 [0697]