

# 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]	Crawford County [039]	Fairfield [24568]	FAIRFIELD TOWNSHIP	41-31-05 = 41.518056	080-03-17 = - 80.054722
200173007000000	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility State Highway Agency [01]		
Route 173		SR 173,W.ADAM ST	Toll On free road [3]	Features intersected OVER FRENCH CREEK	
Design - main Steel [3]	Design - approach		Kilometerpoint 374.5 km = 232.2 mi		
2	Truss - Thru [10]	0	Other [00]	Year built 1930	Year reconstructed 1981
				Skew angle 0	Structure Flared
				Historical significance	Historical significance is not determinable at this time. [4]
Total length 96 m = 315.0 ft	Length of maximum span 47.2 m = 154.9 ft	Deck width, out-to-out 10.1 m = 33.1 ft	Bridge roadway width, curb-to-curb 6.9 m = 22.6 ft		
Inventory Route, Total Horizontal Clearance 6.9 m = 22.6 ft	Curb or sidewalk width - left 1.4 m = 4.6 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 1.8 km = 1.1 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 30.8 metric ton = 33.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 49 metric ton = 53.9 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	3866	Average daily truck traffi	6	%	Year	2009	Future average daily traffic	6775	Year	2026
Road classification	Minor Arterial (Rural) [06]		Lanes on structure	2		Approach roadway width	6.7 m = 22.0 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure 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	4 m = 13.1 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	1000
	Length of structure improvement	96 m = 315.0 ft	Total project cost	2000
	Year of improvement cost estimate	2006		
	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	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
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 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	20
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			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	May 2009 [0509]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2009 [0509]
Other special inspection	Every year [Y12]	Other special inspection date	May 2009 [0509]