

# 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]	Cambridge [10904]	CAMBRIDGE TOWNSHIP	41-46-10 = 41.769444	080-06-32 = - 80.108889
201002006013940	Highway agency district: 1	Owner Railroad [27]	Maintenance responsibility Railroad [27]		
Route 0		SR 1002, GRAVEL RUN	Toll On free road [3]	Features intersected OVER W.NEW YORK & PA RR.	
Design - main 3	Aluminum, Wrought Iron or Cast Iron [9] Girder and floorbeam system [03]	Design - approach 0	Other [00]	Kilometerpoint 462 km = 286.4 mi	
				Year built 1906	Year reconstructed 1982
				Skew angle 0	Structure Flared
				Historical significance	Historical significance is not determinable at this time. [4]
Total length 30.5 m = 100.1 ft	Length of maximum span 11.6 m = 38.1 ft	Deck width, out-to-out 7.7 m = 25.3 ft	Bridge roadway width, curb-to-curb 7.2 m = 23.6 ft		
Inventory Route, Total Horizontal Clearance 7.2 m = 23.6 ft	Curb or sidewalk width - left 0.2 m = 0.7 ft	Curb or sidewalk width - right 0.2 m = 0.7 ft			
Deck structure type	Wood or Timber [8]				
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating 9.1 metric ton = 10.0 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating 14.5 metric ton = 16.0 tons
Bridge posting		Design Load M 13.5 / H 15 [2]	

### Functional Details

Average Daily Traffic	576	Average daily truck traffi	9	%	Year	2007	Future average daily traffic	868	Year	2026
Road classification	Minor Collector (Rural) [08]		Lanes on structure	2		Approach roadway width	5.2 m = 17.1 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	Railroad [2]		Lanes under structure	0		Navigation control	Not applicable, no waterway. [N]			
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	Railroad beneath structure [R]									
Minimum lateral underclearance on right	0 = N/A					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	6.38 m = 20.9 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances										

### 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	30 m = 98.4 ft	Total project cost	1000
	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	Bridge closed to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Serious [3]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck			
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	20.4
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	July 2008 [0708]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2008 [0708]
Other special inspection	Unknown [Y06]	Other special inspection date	July 2008 [0708]