HistoricBridges.org - National Bridge Inventory Data Sheet

2010 Inventory

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

Pennsylvania [42]	Crawford County [039]	Cambridge [10904]	2.5 MI.N. CAMBRIDGE SPRNG	41-50-18 = 41.838333	080-04-18 = -80.071667

207204089930040	Highway agency district 1	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 7204		T-899,KREITZ ROAD	Toll: On free road [3]	Features intersected: OVER LT.CONNEAUTTE CK.	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1895	Year reconstructed: 1974
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 28.3 m = 92.9 ft	Length of maximum span: 28.3 m = 92.9 ft	Deck width, out-to-out: 4.9 m = 16.1 ft	Bridge roadway width, curb-to-curb: 3.4 m = 11.2 ft		
Inventory Route, Total Horizontal Clearance: 3.4 m = 11.2 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	Wood or Timber [8]
Type of wearing surface	Wood or Timber [7]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	5.4 metric ton = 5.9 tons	
0.8 km = 0.5 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	13.6 metric ton = 15.0 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	250	Average daily truck traffi		%	Year 2006	Future average daily traffic 350	Year 2026
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	3.4 m = 11.2 ft		
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	4.72 m = 15.5 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	36 m = 118.1 ft	Total project cost	1000
Year of improvement cost estimate	2002		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructur	Serious [3]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	19.7

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	November 2008 [1108]	Designated inspection frequency	24	Months

Underwater inspection	Every two years [Y24]	Underwater inspection date	December 2002 [1202]
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	November 2008 [1108]
Other special inspection	Not needed [N]	Other special inspection date	

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2012 Inventory

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Basic Information

Pennsylvania [42]	Crawford County [039]	Cambridge [10904]	2.5 mi N Cambridge Spring	41-50-18 = 41.838333	080-04-18 = -80.071667

46597	Highway agency district 1	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		T-899, Kreitz Road	Toll: On free road [3]	Features intersected: Little Conneauttee Creek	

Design - main	Prestressed concrete [5]	Design - approach		Kilometerpoint: 0 km = 0.0 mi	
1	Box Beam or girders - Single or Spread [06]	0	Other [00]	Year built: 2011	Year reconstructed: N/A [0000]
				Skew angle: 30	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length	32.9 m = 107.9 ft	Length of maximum span	32.3 m = 106.0 ft	Deck width, out-to-out	7.7 m = 25.3 ft	Bridge roadway width, curb-to-curb	6.7 m = 22.0 ft
Inventory Route, Total Horizontal Clearance	6.7 m = 22.0 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	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	Method to determine inventory rating	Unknown [8]	Inventory rating	32.7 metric ton = 36.0 tons	
0.8 km = 0.5 mi	Method to determine operating rating	Unknown [8]	Operating rating	62.2 metric ton = 68.4 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	Unknown [A]	

Functional Details

Average Daily Traffic	250	Average daily truck traffi		%	Year 2011	Future average daily traffic 311	Year 2032

Road classification	Local (Rural) [09]	Lanes on structure	2	Approach roadway width	6.7 m = 22.0 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	99.99 m = 328.1 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

Bridge improvement cost		Roadway improvement cost	
Length of structure improvement	0 m = 0.0 ft	Total project cost	
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 restriction [A]	Appraisal ratings - structural	Equal to present desirable criteria [8]
Condition ratings - superstructur	Excellent [9]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Excellent [9]		

Scour	Countermeasures have been installed to mitigate an existing problem with scour. [7]
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	Superior to present desirable criteria [9]	Status evaluation	
Pier or abutment protection		Sufficiency rating	88.9

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	July 2011 [0711]	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	