HistoricBridges.org - National Bridge Inventory Data Sheet

2009 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]	CAMBRIDGE TOWNSHIP	41-46-19 = 41.771944	080-06-28 = -80.107778

201002006002600	Highway agency district: 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		SR 1002,CUSSEWAGO	Toll: On free road [3]	Features intersected: OVER FRENCH CREEK	
Design - main: Aluminum, Wrought Iron or Cast Iron [9]		Design - approach:		Kilometerpoint: 462 km = 286.4 mi	
2	Truss - Thru [10]	0	Other [00]	Year built: 1893	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 79.6 m = 261.2 ft	Length of maximum span: 39.3 m = 128.9 ft	Deck width, out-to-out: 5.3 m = 17.4 ft	Bridge roadway width, curb-to-curb: 4.9 m = 16.1 ft		
Inventory Route, Total Horizontal Clearance: 4.9 m = 16.1 ft	Curb or sidewalk width - left: 0.2 m = 0.7 ft	Curb or sidewalk width - right: 1.8 m = 5.9 ft			
Deck structure type: Closed Grating [4]					
Type of wearing surface: Bituminous [6]					
Deck protection:					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 1.1 km = 0.7 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 1.8 metric ton = 2.0 tons			
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 3.6 metric ton = 4.0 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	4.9 m = 16.1 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	5 m = 16.4 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	80 m = 262.5 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		Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of replacement [2]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	
Condition ratings - deck	Poor [4]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
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	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	4.4

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	Every two years [Y24]	Underwater inspection date	July 2008 [0708]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2008 [0708]
Other special inspection	Not needed [N]	Other special inspection date	