

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]		Chester County [029]		East Vincent [22000]		E. & W. VINCENT TWP. 06E13		40-09-29 = 40.158056		075-39-10 = - 75.652778	
157015050201960		Highway agency district 6		Owner County Highway Agency [02]		Maintenance responsibility		County Highway Agency [02]			
Route 0		BERTOLET SCHOOL RD		Toll On free road [3]		Features intersected FRENCH CREEK					
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi							
1 Truss - Thru [10]		0 Other [00]		Year built 1905		Year reconstructed 1982					
				Skew angle 0		Structure Flared					
				Historical significance Bridge is eligible for the NRHP. [2]							
Total length 27.4 m = 89.9 ft		Length of maximum span 27.1 m = 88.9 ft		Deck width, out-to-out 4.9 m = 16.1 ft		Bridge roadway width, curb-to-curb 4.3 m = 14.1 ft					
Inventory Route, Total Horizontal Clearance 4.3 m = 14.1 ft		Curb or sidewalk width - left 0 m = 0.0 ft		Curb or sidewalk width - right 0 m = 0.0 ft							
Deck structure type		Wood or Timber [8]									
Type of wearing surface		Bituminous [6]									
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length 19.9 km = 12.3 mi		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating 10.9 metric ton = 12.0 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 16.3 metric ton = 17.9 tons	
Bridge posting				Design Load		M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	183	Average daily truck traffi	1	%	Year	2008	Future average daily traffic	200	Year	2012
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	3.7 m = 12.1 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						Minimum vertical clearance over bridge roadway	10 m = 32.8 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	34 m = 111.6 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 load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	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 is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]		
Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	29.8
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	September 2008 [0908]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	September 2008 [0908]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2008 [0908]
Other special inspection	Every two years [Y24]	Other special inspection date	September 2009 [0909]