

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]		Caln [10824]	.8MI.WEST TR 322 30A01		40-00-38 = 40.010556	075-44-35 = - 75.743056
154015002034220		Highway agency district	6	Owner	State Highway Agency [01]		Maintenance responsibility State Highway Agency [01]	
Route	0	EDGE MILL ROAD		Toll	On free road [3]		Features intersected BRANCH BEAVER CREEK	
Design - main	Masonry [8]	Design - approach		Kilometerpoint	20.8 km = 12.9 mi			
	3		Arch - Deck [11]	0	Other [00]	Year built	1916	Year reconstructed
				Skew angle	0	Structure Flared		
				Historical significance	Bridge is eligible for the NRHP. [2]			
Total length	22.6 m = 74.2 ft		Length of maximum span	7.3 m = 24.0 ft		Deck width, out-to-out	7.6 m = 24.9 ft	
Inventory Route, Total Horizontal Clearance		6.2 m = 20.3 ft		Curb or sidewalk width - left	0 m = 0.0 ft		Curb or sidewalk width - right	0 m = 0.0 ft
Deck structure type	Not applicable [N]							
Type of wearing surface	Not applicable (applies only to structures with no deck) [N]							
Deck protection	Not applicable (applies only to structures with no deck) [N]							
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]							

Weight Limits

Bypass, detour length	Method to determine inventory rating	No rating analysis performed [5]	Inventory rating	25.4 metric ton = 27.9 tons
0.5 km = 0.3 mi	Method to determine operating rating	No rating analysis performed [5]	Operating rating	50.8 metric ton = 55.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement 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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		
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	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	46.4
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	April 2009 [0409]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y48]	Underwater inspection date	April 2005 [0405]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	