

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]		Honey Brook [35536]		NEAR CAMBRIDGE 09D13		40-04-51 = 40.080833		075-55-37 = - 75.926944	
154010002000000		Highway agency district 6		Owner State Highway Agency [01]		Maintenance responsibility		State Highway Agency [01]			
Route 0		CAMBRIDGE ROAD		Toll On free road [3]		Features intersected HONEY BRK.W.BR.BRADYWINE					
Design - main Steel [3]		Design - approach Masonry [8]		Kilometerpoint 82.7 km = 51.3 mi		Year built 1910		Year reconstructed 1971			
1 Girder and floorbeam system [03]		2 Arch - Deck [11]		Skew angle 0		Structure Flared					
				Historical significance Bridge is not eligible for the NRHP. [5]							
Total length 16.8 m = 55.1 ft		Length of maximum span 13.1 m = 43.0 ft		Deck width, out-to-out 5.5 m = 18.0 ft		Bridge roadway width, curb-to-curb 4.8 m = 15.7 ft					
Inventory Route, Total Horizontal Clearance 4.8 m = 15.7 ft		Curb or sidewalk width - left 0 m = 0.0 ft		Curb or sidewalk width - right 0 m = 0.0 ft							
Deck structure type		Open Grating [3]									
Type of wearing surface											
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length 1.4 km = 0.9 mi		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating 12.7 metric ton = 14.0 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 20.9 metric ton = 23.0 tons	
Bridge posting				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

Posted for load [P]

Appraisal ratings -
structural

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - superstructure

Serious [3]

Appraisal ratings -
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of corrective action [3]

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

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

19.9

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

August 2009 [0809]

Designated inspection frequency

12

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