

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 Bradford [20824] | | EAST BRADFORD TWP. 40G01 | | 39-56-20 = 39.938889 | | 075-38-10 = - 75.636111 | |
| 157015043801110 | | Highway agency district 6 | | Owner County Highway Agency [02] | | Maintenance responsibility | | County Highway Agency [02] | | | |
| Route 0 | | ALLERTON ROAD | | Toll On free road [3] | | Features intersected E BR OF BRANDYWINE CREEK | | | | | |
| Design - main Aluminum, Wrought Iron or Cast Iron [9] | | Design - approach | | Kilometerpoint 0 km = 0.0 mi | | Year built 1905 | | Year reconstructed 1990 | | | |
| 1 Truss - Thru [10] | | 0 Other [00] | | Skew angle 30 | | Structure Flared | | | | | |
| | | | | Historical significance Bridge is eligible for the NRHP. [2] | | | | | | | |
| Total length 32 m = 105.0 ft | | Length of maximum span 29 m = 95.1 ft | | Deck width, out-to-out 5.5 m = 18.0 ft | | Bridge roadway width, curb-to-curb 4.4 m = 14.4 ft | | | | | |
| Inventory Route, Total Horizontal Clearance 4.4 m = 14.4 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 | | Preformed Fabric [2] | | | | | | | | | |

Weight Limits

| | | | | | | | |
|---------------------------------------|--|--------------------------------------|--|-------------------------------|--|--|--|
| Bypass, detour length 0.8 km = 0.5 mi | | Method to determine inventory rating | | Load Factor(LF) [1] | | Inventory rating 13.6 metric ton = 15.0 tons | |
| | | Method to determine operating rating | | Load Factor(LF) [1] | | Operating rating 22.7 metric ton = 25.0 tons | |
| Bridge posting | | | | Design Load M 13.5 / H 15 [2] | | | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---|------|--|------------------------------|------|------|------|
| Average Daily Traffic | 1266 | Average daily truck traffi | 4 | % | Year | 2009 | Future average daily traffic | 2000 | Year | 2000 |
| Road classification | Local (Rural) [09] | | Lanes on structure | 1 | | Approach roadway width | 4.9 m = 16.1 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 | 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 | Work done by | Work to be done by contract [1] | | | | | | | | |
| Other structural work, including hydraulic replacements. [38] | Bridge improvement cost | 0 | Roadway improvement cost | 0 | | | | | | |
| | Length of structure improvement | 40 m = 131.2 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 | Meets minimum tolerable limits to be left in place as is [4] |
| 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 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 minimum criteria [6] | Status evaluation | Functionally obsolete [2] |
| Pier or abutment protection | | Sufficiency rating | 40.2 |
| 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 [N00] | Underwater inspection date | |
| Fracture critical inspection | Unknown [N00] | Fracture critical inspection date | |
| Other special inspection | Every two years [Y24] | Other special inspection date | |