

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] West Brandywine [82576] WAGONTOWN 18G12 40-00-51 = 40.014167 075-50-38 = - 75.843889
 154005003200000 Highway agency district 6 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]
 Route 0 HATFIELD ROAD Toll On free road [3] Features intersected WEST BR.BRANDYWINE CREEK
 Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi
 2 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1928 Year reconstructed N/A [0000]
 Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]
 Total length 23.8 m = 78.1 ft Length of maximum span 11.6 m = 38.1 ft Deck width, out-to-out 6.2 m = 20.3 ft Bridge roadway width, curb-to-curb 5.4 m = 17.7 ft
 Inventory Route, Total Horizontal Clearance 5.4 m = 17.7 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft
 Deck structure type Concrete Cast-in-Place [1]
 Type of wearing surface Bituminous [6]
 Deck protection
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 1 km = 0.6 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 32.7 metric ton = 36.0 tons
 Method to determine operating rating No rating analysis performed [5] Operating rating 54.4 metric ton = 59.8 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 | <input type="text" value="Open, no restriction [A]"/> | Appraisal ratings - structural | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - superstructure | <input type="text" value="Fair [5]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/> |
| Condition ratings - substructure | <input type="text" value="Fair [5]"/> | Appraisal ratings - deck geometry | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/> |
| Condition ratings - deck | <input type="text" value="Fair [5]"/> | | |
| Scour | <input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]"/> | | |
| Channel and channel protection | <input type="text" value="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 | <input type="text" value="Equal to present desirable criteria [8]"/> | Status evaluation | <input type="text" value="Functionally obsolete [2]"/> |
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="63.5"/> |
| Culverts | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/> | | |
| Traffic safety features - railings | <input type="text"/> | | |
| Traffic safety features - transitions | <input type="text"/> | | |
| Traffic safety features - approach guardrail | <input type="text"/> | | |
| Traffic safety features - approach guardrail ends | <input type="text"/> | | |
| Inspection date | <input type="text" value="August 2008 [0808]"/> | Designated inspection frequency | <input type="text" value="24"/> Months |
| Underwater inspection | <input type="text" value="Not needed [N]"/> | Underwater inspection date | <input type="text"/> |
| Fracture critical inspection | <input type="text" value="Not needed [N]"/> | Fracture critical inspection date | <input type="text"/> |
| Other special inspection | <input type="text" value="Not needed [N]"/> | Other special inspection date | <input type="text"/> |