

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] Avondale [03656] NR.TOUGHKENAMON 46E07 39-49-41 = 39.828056 075-46-50 = - 75.780556
 153035001011520 Highway agency district 6 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 THIRD STREET Toll On free road [3] Features intersected EAST BR.WHITE CLAY CREEK

Design - main Masonry [8] Design - approach Masonry [8] Kilometerpoint 0 km = 0.0 mi
 1 Arch - Deck [11] 1 Mixed types [20] Year built 1912 Year reconstructed 1986
 Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]

Total length 12.2 m = 40.0 ft Length of maximum span 8.8 m = 28.9 ft Deck width, out-to-out 6.8 m = 22.3 ft Bridge roadway width, curb-to-curb 5.5 m = 18.0 ft
 Inventory Route, Total Horizontal Clearance 5.5 m = 18.0 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 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="Equal to present minimum criteria [6]"/> |
| Condition ratings - superstructure | <input type="text" value="Satisfactory [6]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Equal to present desirable criteria [8]"/> |
| Condition ratings - substructure | <input type="text" value="Satisfactory [6]"/> | Appraisal ratings - deck geometry | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/> |
| Condition ratings - deck | <input type="text" value="Not Applicable [N]"/> | | |
| Scour | <input type="text" value="Bridge is scour critical; bridge foundations determined to be unstable. [3]"/> | | |
| 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="77.1"/> |
| Culverts | <input type="text" value="Deterioration or initial disintegration, minor chloride contamination, cracking with some leaching, or spalls on concrete or masonry walls and slabs. Local minor scouring at curtain walls, wingwalls or pipes. Metal culverts have a smooth curvature, non-symmetrical shape, significant corrosion or moderate pitting. [6]"/> | | |
| 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"/> |