

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 Pikeland [21696]                       |  | I MILE SOUTH RT.23 14G04                           |  | 40-08-27 = 40.140833                               |  | 075-34-04 = - 75.567778 |  |
| 151045002012010   |  | Highway agency district: 6                 |  | Owner State Highway Agency [01]             |  | Maintenance responsibility                         |  | State Highway Agency [01]                          |  |                         |  |
| Route 0   |  | HARES HILL ROAD                            |  | Toll On free road [3]                       |  | Features intersected FRENCH CREEK                  |  |  |  |                         |  |
| Design - main Aluminum, Wrought Iron or Cast Iron [9]       |  | Design - approach                          |  | Kilometerpoint 116.8 km = 72.4 mi           |  | Year built 1867                                    |  | Year reconstructed N/A [0000]                      |  |                         |  |
| 1 Truss - Thru [10]   |  | 0 Other [00]                               |  | Skew angle 0                                |  | Structure Flared                                   |  | Historical significance Bridge is on the NRHP. [1] |  |                         |  |
| Total length 31.1 m = 102.0 ft                              |  | Length of maximum span 30.5 m = 100.1 ft   |  | Deck width, out-to-out 4.5 m = 14.8 ft      |  | Bridge roadway width, curb-to-curb 4.3 m = 14.1 ft |  |  |  |                         |  |
| Inventory Route, Total Horizontal Clearance 4.3 m = 14.1 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 0.8 km = 0.5 mi |  | Method to determine inventory rating |  | Load Factor(LF) [1] |  | Inventory rating 6.4 metric ton = 7.0 tons   |  |
|                                       |  | Method to determine operating rating |  | Load Factor(LF) [1] |  | Operating rating 10.9 metric ton = 12.0 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

Other structural work, including hydraulic replacements. [38]

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

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - substructure

Fair [5]

Appraisal ratings -  
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Good [7]

Scour

Bridge is scour critical; bridge foundations determined to be unstable. [3]

Channel and channel protection

Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

3

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

January 2009 [0109]

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