# HistoricBridges.org - National Bridge Inventory Data Sheet

**2013 Inventory**

The National Bridge Inventory contains data submitted by state transportion 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

| | | | | | |
|---|---|---|---|---|---|
| West Virginia [54] | Mineral County [057] | Unknown [00000] | 0.22 MI. SOUTH OF CR 11 | 03-90-84.56 = 4.523489 | 078-18-15.48 = -78.304300 |

00000000029A020 | Highway agency district: 5 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 1600 | | CR 16 SLS | Toll: On free road [3] | Features intersected: PATTERSON CREEK

| | | | | | |
|---|---|---|---|---|---|
| Design - main | Steel continuous [4] | Design - approach | | Kilometerpoint | 852.8 km = 528.7 mi |
| 1 | Truss - Thru [10] | 0 | Other [00] | Year built | 1891 |
| | | | | Year reconstructed | N/A [0000] |
| | | | | Skew angle | 0 |
| | | | | Structure Flared | |
| | | | | Historical significance | Bridge is eligible for the NRHP. [2] |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Total length | 50.2 m = 164.7 ft | Length of maximum span | 49 m = 160.8 ft | Deck width, out-to-out | 4.3 m = 14.1 ft | Bridge roadway width, curb-to-curb | 4.1 m = 13.5 ft |
| Inventory Route, Total Horizontal Clearance | 4.1 m = 13.5 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: Wood or Timber [7]

Deck protection:

Type of membrane/wearing surface:

## Weight Limits

| | | | | | |
|---|---|---|---|---|---|
| Bypass, detour length | Method to determine inventory rating | Allowable Stress(AS) [2] | Inventory rating | 6.3 metric ton = 6.9 tons | |
| 0.3 km = 0.2 mi | Method to determine operating rating | Allowable Stress(AS) [2] | Operating rating | 10.9 metric ton = 12.0 tons | |
| | Bridge posting | | Design Load | | |

## Functional Details

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Average Daily Traffic | 450 | Average daily truck traffi | 6 % | Year | 2011 | Future average daily traffic | 549 |
| Year | 2031 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Road classification | Local (Rural) [09] | Lanes on structure | 1 | Approach roadway width | 4.6 m = 15.1 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 | 2.82 m = 9.3 ft | | |
| Minimum lateral underclearance reference feature | Feature not a highway or railroad [N] | | | | |
| Minimum lateral underclearance on right | 99.9 = Unlimited | 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

| | | | |
|---|---|---|---|
| Work done by | Work to be done by contract [1] | | |
| Bridge improvement cost | 1500000 | Roadway improvement cost | 700000 |
| Length of structure improvement | 76.2 m = 250.0 ft | Total project cost | 2200000 |
| Year of improvement cost estimate | 2010 | | |
| 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 replacement [2] |
| Condition ratings - superstructure | Satisfactory [6] | Appraisal ratings - roadway alignment | Basically intolerable requiring high priority of corrrective action [3] |
| Condition ratings - substructure | Fair [5] | Appraisal ratings - deck geometry | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - deck | Fair [5] | | |

| | |
|---|---|
| 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 and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4] |

| | | | |
|---|---|---|---|
| Appraisal ratings - water adequacy | Better than present minimum criteria [7] | Status evaluation | Structurally deficient [1] |
| Pier or abutment protection | | Sufficiency rating | 13.3 |

| | |
|---|---|
| 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 | September 2012 [0912] | Designated inspection frequency | 12 | Months |

| | | | |
|---|---|---|---|
| Underwater inspection | Not needed [N] | Underwater inspection date | |
| Fracture critical inspection | Every year [Y12] | Fracture critical inspection date | September 2012 [0912] |
| Other special inspection | Not needed [N] | Other special inspection date | |