

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

West Virginia [54] Cabell County [011] Unknown [00000] 0.18 MI SOUTH OF CR 21 38-26-36 = 38.443333 082-11-24 = - 82.190000

0000000006A053 Highway agency district 2 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 2300 CR 23 Toll On free road [3] Features intersected MUD RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 185 km = 114.7 mi

1 Truss - Thru [10] 0 Other [00] Year built 1905 Year reconstructed 1983

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 43.6 m = 143.1 ft Length of maximum span 42.1 m = 138.1 ft Deck width, out-to-out 4.6 m = 15.1 ft Bridge roadway width, curb-to-curb 4.6 m = 15.1 ft

Inventory Route, Total Horizontal Clearance 4.6 m = 15.1 ft Curb or sidewalk width - left 0.1 m = 0.3 ft Curb or sidewalk width - right 0.1 m = 0.3 ft

Deck structure type Closed Grating [4]

Type of wearing surface Other [9]

Deck protection Unknown [8]

Type of membrane/wearing surface Unknown [8]

**Weight Limits**

Bypass, detour length 1.3 km = 0.8 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 17.1 metric ton = 18.8 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 25.2 metric ton = 27.7 tons

Bridge posting 00.1 - 09.9 % below [4] Design Load

### Functional Details

|                                                             |                                       |                            |                                                   |                                         |                                                |                        |                              |      |      |      |
|-------------------------------------------------------------|---------------------------------------|----------------------------|---------------------------------------------------|-----------------------------------------|------------------------------------------------|------------------------|------------------------------|------|------|------|
| Average Daily Traffic                                       | 850                                   | Average daily truck traffi | 4                                                 | %                                       | Year                                           | 2001                   | Future average daily traffic | 1080 | Year | 2021 |
| Road classification                                         | Local (Rural) [09]                    |                            | Lanes on structure                                | 1                                       |                                                | Approach roadway width | 6.1 m = 20.0 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 | 0 m = 0.0 ft                          |                            |                                                   |                                         | Minimum vertical clearance over bridge roadway | 5.08 m = 16.7 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                                                                                                        | Work done by                      |                   | Work to be done by contract [1]                       |        |
| Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31] | Bridge improvement cost           | 342000            | Roadway improvement cost                              | 308000 |
|                                                                                                                                     | Length of structure improvement   | 45.7 m = 149.9 ft | Total project cost                                    | 922000 |
|                                                                                                                                     | Year of improvement cost estimate | 2004              |                                                       |        |
|                                                                                                                                     | 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                | Poor [4]                                                                                                                                                                       | Appraisal ratings - roadway alignment | Meets minimum tolerable limits to be left in place as is [4]     |
| Condition ratings - substructure                  | Poor [4]                                                                                                                                                                       | 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 the assessed or calculated scour condition. [8]                                                                                 |                                       |                                                                  |
| Channel and channel protection                    | Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7] |                                       |                                                                  |
| Appraisal ratings - water adequacy                | Better than present minimum criteria [7]                                                                                                                                       | Status evaluation                     | Structurally deficient [1]                                       |
| Pier or abutment protection                       |                                                                                                                                                                                | Sufficiency rating                    | 28.9                                                             |
| 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                                   | May 2006 [0506]                                                                                                                                                                | Designated inspection frequency       | 12 Months                                                        |
| Underwater inspection                             | Unknown [N00]                                                                                                                                                                  | Underwater inspection date            |                                                                  |
| Fracture critical inspection                      | Every year [Y12]                                                                                                                                                               | Fracture critical inspection date     | May 2006 [0506]                                                  |
| Other special inspection                          | Unknown [N00]                                                                                                                                                                  | Other special inspection date         |                                                                  |