

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

West Virginia [54] Summers County [089] Hinton [37636] 1.32 MI N WV 3 37-40-06 = 37.668333 080-53-36 = - 80.893333

00000000045A041 Highway agency district 9 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route WV RT 107 Toll On free road [3] Features intersected GRACE ST AND CSX RR

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint Year built 1928 Year reconstructed N/A [0000]

1 Arch - Thru [12] 4 Other [00] Skew angle 0 Structure Flared Historical significance Bridge is possibly eligible for the NRHP. [3]

Total length 135.6 m = 444.9 ft Length of maximum span 36.6 m = 120.1 ft Deck width, out-to-out 8.6 m = 28.2 ft Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft

Inventory Route, Total Horizontal Clearance 6 m = 19.7 ft Curb or sidewalk width - left 0.1 m = 0.3 ft Curb or sidewalk width - right 1.8 m = 5.9 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Monolithic Concrete (concurrently placed with structural deck) [1]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.8 km = 0.5 mi Method to determine inventory rating Inventory rating 10.8 metric ton = 11.9 tons

Method to determine operating rating Operating rating 10.8 metric ton = 11.9 tons

Bridge posting Design Load

Functional Details

| | | | | | | | | | | |
|---|--|----------------------------|---|--|----------------------------------|------|------------------------------|-------|------|------|
| Average Daily Traffic | 6700 | Average daily truck traffi | 7 | % | Year | 1988 | Future average daily traffic | 11457 | Year | 2008 |
| Road classification | Major Collector (Rural) [07] | Lanes on structure | 2 | Approach roadway width | 7.6 m = 24.9 ft | | | | | |
| Type of service on bridge | Highway [1] | Direction of traffic | 2 - way traffic [2] | | Bridge median | | | | | |
| Parallel structure designation | No parallel structure exists. [N] | | | | | | | | | |
| Type of service under bridge | Highway-railroad [4] | Lanes under structure | 1 | Navigation control | Not applicable, no waterway. [N] | | | | | |
| 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 | 99.99 m = 328.1 ft | | | | | | |
| Minimum lateral underclearance reference feature | Highway beneath structure [H] | | | | | | | | | |
| Minimum lateral underclearance on right | 1.5 m = 4.9 ft | | | Minimum lateral underclearance on left | 7 m = 23.0 ft | | | | | |
| Minimum Vertical Underclearance | 6.7 m = 22.0 ft | | Minimum vertical underclearance reference feature | Highway beneath structure [H] | | | | | | |
| Appraisal ratings - underclearances | Basically intolerable requiring high priority of replacement [2] | | | | | | | | | |

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 | 1099000 | Roadway improvement cost | 591000 | | | | | | |
| | Length of structure improvement | 137.2 m = 450.2 ft | | Total project cost | 1690000 | | | | | |
| | 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="Posted for load [P]"/> | Appraisal ratings - structural | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/> |
| Condition ratings - superstructure | <input type="text" value="Poor [4]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Basically intolerable requiring high priority of replacement [2]"/> |
| 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="Fair [5]"/> | | |
| Scour | <input type="text" value="Bridge not over waterway. [N]"/> | | |
| Channel and channel protection | <input type="text" value="Not applicable. [N]"/> | | |
| Appraisal ratings - water adequacy | <input type="text" value="N/A [N]"/> | Status evaluation | <input type="text" value="Structurally deficient [1]"/> |
| Pier or abutment protection | <input type="text"/> | Sufficiency rating | <input type="text" value="2"/> |
| 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="March 1991 [0391]"/> | Designated inspection frequency | <input type="text" value="24"/> Months |
| Underwater inspection | <input type="text" value="Unknown [N00]"/> | Underwater inspection date | <input type="text" value="N/A 2000 [0000]"/> |
| Fracture critical inspection | <input type="text" value="Unknown [N00]"/> | Fracture critical inspection date | <input type="text" value="N/A 2000 [0000]"/> |
| Other special inspection | <input type="text" value="Unknown [N00]"/> | Other special inspection date | <input type="text" value="N/A 2000 [0000]"/> |