

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

Washington [53] Mason County [045] Unknown [00000] 5.1 S JEFFERSON CO 47-32-54.00 = 47.548333 123-02-36.00 = -123.043333

0000734A0000000 Highway agency district 3 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 101 US 101 Toll On free road [3] Features intersected HAMMA HAMMA RIVER

Design - main Concrete [1] Design - approach Other [00] Kilometerpoint 51441.3 km = 31893.6 mi

1 Arch - Thru [12] 0 Other [00] Year built 1924 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is on the NRHP. [1]

Total length 46.9 m = 153.9 ft Length of maximum span 45.7 m = 149.9 ft Deck width, out-to-out 6.4 m = 21.0 ft Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft

Inventory Route, Total Horizontal Clearance 6.1 m = 20.0 ft Curb or sidewalk width - left 0.2 m = 0.7 ft Curb or sidewalk width - right 0.2 m = 0.7 ft

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

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface Preformed Fabric [2]

Weight Limits

Bypass, detour length 6.1 km = 3.8 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 20.7 metric ton = 22.8 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 34.2 metric ton = 37.6 tons

Bridge posting Equal to or above legal loads [5] Design Load

Functional Details

| | | | | | | | | | | |
|---|---|----------------------------|---|---------------------------------------|------|--|--|------|------|------|
| Average Daily Traffic | 2215 | Average daily truck traffi | 23 | % | Year | 2010 | Future average daily traffic | 3101 | Year | 2030 |
| Road classification | Principal Arterial - Other (Rural) [02] | | Lanes on structure | 2 | | Approach roadway width | 9.1 m = 29.9 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 | Waterway [5] | | Lanes under structure | 0 | | Navigation control | Navigation control on waterway (bridge permit required). [1] | | | |
| Navigation vertical clearanc | 1.5 m = 4.9 ft | | Navigation horizontal clearance | 36.6 m = 120.1 ft | | | | | | |
| Minimum navigation vertical clearance, vertical lift bridge | | | Minimum vertical clearance over bridge roadway | 4.95 m = 16.2 ft | | | | | | |
| Minimum lateral underclearance reference feature | Feature not a highway or railroad [N] | | | | | | | | | |
| Minimum lateral underclearance on right | 0 = N/A | | | | | 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] | | | | | | | | |
| Bridge rehabilitation because of general structure deterioration or inadequate strength. [35] | Bridge improvement cost | 3591000 | Roadway improvement cost | 718000 | | | | | | |
| | Length of structure improvement | 62.2 m = 204.1 ft | | Total project cost | 7181000 | | | | | |
| | 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 | <input type="text" value="Open, no restriction [A]"/> | Appraisal ratings - structural | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| 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="Satisfactory [6]"/> | | |
| Scour | <input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/> | | |
| Channel and channel protection | <input type="text" value="Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]"/> | | |
| Appraisal ratings - water adequacy | <input type="text" value="Equal to present minimum criteria [6]"/> | Status evaluation | <input type="text" value="Functionally obsolete [2]"/> |
| Pier or abutment protection | <input type="text" value="Navigation protection not required [1]"/> | Sufficiency rating | <input type="text" value="51.5"/> |
| Culverts | <input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/> | | |
| Traffic safety features - railings | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/> | | |
| Traffic safety features - transitions | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/> | | |
| Traffic safety features - approach guardrail | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/> | | |
| Traffic safety features - approach guardrail ends | <input type="text" value="Inspected feature meets currently acceptable standards. [1]"/> | | |
| Inspection date | <input type="text" value="June 2012 [0612]"/> | 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"/> |