

HistoricBridges.org - National Bridge Inventory Data Sheet

2013 Inventory

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] | Spokane County [063] | Unknown [00000] | 0.1 E JCT OLD SR 290 SP | 47-39-42.70 = 47.661861 | 117-23-40.70 = -117.394639 |
| 000000FE0000000 | Highway agency district 6 | Owner State Highway Agency [01] | Maintenance responsibility | State Highway Agency [01] | |
| Route 290 | SR 290 | Toll On free road [3] | Features intersected SPOKANE RIVER | | |
| Design - main | Concrete continuous [2] | Design - approach | Kilometerpoint 131.9 km = 81.8 mi | | |
| 5 | Arch - Deck [11] | 0 | Year built 1910 | Year reconstructed N/A [0000] | |
| | | Other [00] | Skew angle 25 | Structure Flared | |
| | | | Historical significance Bridge is possibly eligible for the NRHP. [3] | | |
| Total length 156.4 m = 513.1 ft | Length of maximum span 30.5 m = 100.1 ft | Deck width, out-to-out 16.6 m = 54.5 ft | Bridge roadway width, curb-to-curb 12.2 m = 40.0 ft | | |
| Inventory Route, Total Horizontal Clearance 12.2 m = 40.0 ft | Curb or sidewalk width - left 1.1 m = 3.6 ft | Curb or sidewalk width - right 1.1 m = 3.6 ft | | | |
| Deck structure type | Concrete Cast-in-Place [1] | | | | |
| Type of wearing surface | Bituminous [6] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | |
|---------------------------------------|--------------------------------------|---------------------|--|
| Bypass, detour length 0.3 km = 0.2 mi | Method to determine inventory rating | Load Factor(LF) [1] | Inventory rating 31.5 metric ton = 34.7 tons |
| | Method to determine operating rating | Load Factor(LF) [1] | Operating rating 52.2 metric ton = 57.4 tons |
| Bridge posting | Equal to or above legal loads [5] | Design Load | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|------------------------------|-------|------|------|
| Average Daily Traffic | 11457 | Average daily truck traffi | 9 | % | Year | 2010 | Future average daily traffic | 15948 | Year | 2030 |
| Road classification | Other Principal Arterial (Urban) [14] | | Lanes on structure | 4 | | Approach roadway width | 16.8 m = 55.1 ft | | | |
| Type of service on bridge | Highway-pedestrian [5] | | 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 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 | 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 | 15314000 | Roadway improvement cost | 3063000 |
| | Length of structure improvement | 171.6 m = 563.0 ft | Total project cost | 30627000 |
| | 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 | Open, no restriction [A] | Appraisal ratings - structural | Somewhat better than minimum adequacy to tolerate being left in place as is [5] |
| Condition ratings - superstructure | Fair [5] | Appraisal ratings - roadway alignment | Equal to present desirable criteria [8] |
| Condition ratings - substructure | Fair [5] | Appraisal ratings - deck geometry | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - deck | Poor [4] | | |
| Scour | Bridge with "unknown" foundation that has not been evaluated for scour. [U] | | |
| 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 | Equal to present desirable criteria [8] | Status evaluation | Structurally deficient [1] |
| Pier or abutment protection | | Sufficiency rating | 63.1 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | Inspected feature meets currently acceptable standards. [1] | | |
| Traffic safety features - transitions | | | |
| Traffic safety features - approach guardrail | | | |
| Traffic safety features - approach guardrail ends | Inspected feature meets currently acceptable standards. [1] | | |
| Inspection date | August 2012 [0812] | Designated inspection frequency | 12 Months |
| Underwater inspection | Unknown [Y60] | Underwater inspection date | August 2009 [0809] |
| Fracture critical inspection | Not needed [N] | Fracture critical inspection date | |
| Other special inspection | Not needed [N] | Other special inspection date | |