

HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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

| | | | | | |
|---|--|-------------------------------|---------------------------|---------------------------------------|--------------------------------------|
| New York [36] | Cattaraugus County [009] | Salamanca [64749] | JCT RTE 353 + ALLEGHENY R | 42-09-43 = 42.161944 | 078-44-36 = - 78.743333 |
| 6046330 | Highway agency district | 51 | Owner | City or Municipal Highway Agency [04] | Maintenance responsibility |
| City or Municipal Highway Agency [04] | | | | | |
| Route | 353 | | RTE 353 | Toll | On free road [3] |
| Features intersected | ALLEGHENY RIVER | | | | |
| Design - main | Steel [3] | Design - approach | | Kilometerpoint | 37.8 km = 23.4 mi |
| 5 | Truss - Thru [10] | 0 | Other [00] | Year built | 1940 |
| | | | | Year reconstructed | N/A [0000] |
| | | | | Skew angle | 0 |
| | | | | Structure Flared | |
| | | | | Historical significance | Bridge is eligible for the NRHP. [2] |
| Total length | 209.3 m = 686.7 ft | Length of maximum span | 41.1 m = 134.8 ft | Deck width, out-to-out | 8.1 m = 26.6 ft |
| Bridge roadway width, curb-to-curb | 7.3 m = 24.0 ft | | | | |
| Inventory Route, Total Horizontal Clearance | 7.3 m = 24.0 ft | Curb or sidewalk width - left | 0 m = 0.0 ft | Curb or sidewalk width - right | 1.5 m = 4.9 ft |
| Deck structure type | Concrete Cast-in-Place [1] | | | | |
| Type of wearing surface | Integral Concrete (separate non-modified layer of concrete added to structural deck) [2] | | | | |
| Deck protection | | | | | |
| Type of membrane/wearing surface | | | | | |

Weight Limits

| | | | | |
|-----------------------|--------------------------------------|---------------------|------------------|-----------------------------|
| Bypass, detour length | Method to determine inventory rating | Load Factor(LF) [1] | Inventory rating | 38.1 metric ton = 41.9 tons |
| 1.1 km = 0.7 mi | Method to determine operating rating | Load Factor(LF) [1] | Operating rating | 64.4 metric ton = 70.8 tons |
| Bridge posting | 10.0 - 19.9 % below [3] | Design Load | | |

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|------|--|--|------|------|------|
| Average Daily Traffic | 4909 | Average daily truck traffi | 5 | % | Year | 2007 | Future average daily traffic | 5534 | Year | 2027 |
| Road classification | Minor Arterial (Urban) [16] | | Lanes on structure | 2 | | Approach roadway width | 7.3 m = 24.0 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 control on waterway (bridge permit required). [1] | | | |
| Navigation vertical clearanc | 6.4 m = 21.0 ft | | Navigation horizontal clearance | 39.6 m = 129.9 ft | | | | | | |
| 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 | 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] | | |
| Widening of existing bridge with deck rehabilitation or replacement. [34] | Bridge improvement cost | 4659000 | Roadway improvement cost | 2718000 |
| | Length of structure improvement | 209.3 m = 686.7 ft | Total project cost | 7377000 |
| | Year of improvement cost estimate | 2009 | | |
| | 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 corrective action [3] |
| Condition ratings - superstructure | Serious [3] | Appraisal ratings - roadway alignment | Equal to present minimum criteria [6] |
| Condition ratings - substructure | Satisfactory [6] | Appraisal ratings - deck geometry | Basically intolerable requiring high priority of replacement [2] |
| Condition ratings - deck | Satisfactory [6] | | |
| 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 | Meets minimum tolerable limits to be left in place as is [4] | Status evaluation | Structurally deficient [1] |
| Pier or abutment protection | | Sufficiency rating | 24.2 |
| Culverts | Not applicable. Used if structure is not a culvert. [N] | | |
| Traffic safety features - railings | | | |
| Traffic safety features - transitions | Not applicable or a safety feature is not required. [N] | | |
| Traffic safety features - approach guardrail | | | |
| Traffic safety features - approach guardrail ends | | | |
| Inspection date | October 2009 [1009] | Designated inspection frequency | 12 Months |
| Underwater inspection | Unknown [Y60] | Underwater inspection date | October 2006 [1006] |
| Fracture critical inspection | Every year [Y12] | Fracture critical inspection date | October 2009 [1009] |
| Other special inspection | Not needed [N] | Other special inspection date | |