

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] Niagara County [063] Lockport [43082] AT JCT RTS 78 + 31 43-10-09 = 43.169167 078-41-42 = - 78.695000

4454170 Highway agency district 54 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 MAIN STREET Toll On free road [3] Features intersected ERIE CANAL

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi

2 Arch - Deck [11] 0 Other [00] Year built 1912 Year reconstructed 1992

Skew angle 60 Structure Flared

Historical significance Historical significance is not determinable at this time. [4]

Total length 39.9 m = 130.9 ft Length of maximum span 17.9 m = 58.7 ft Deck width, out-to-out 121.6 m = 399.0 Bridge roadway width, curb-to-curb 17 m = 55.8 ft

Inventory Route, Total Horizontal Clearance 17 m = 55.8 ft Curb or sidewalk width - left 2.6 m = 8.5 ft Curb or sidewalk width - right 3.2 m = 10.5 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 0.1 km = 0.1 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 32.6 metric ton = 35.9 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 85.4 metric ton = 93.9 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---------------------------------------|--|------------------------|--|-------|------|------|
| Average Daily Traffic | 10960 | Average daily truck traffi | 6 | % | Year | 1999 | Future average daily traffic | 13341 | Year | 2019 |
| Road classification | Other Principal Arterial (Urban) [14] | | Lanes on structure | 4 | | Approach roadway width | 17 m = 55.8 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 m = 19.7 ft | | Navigation horizontal clearance | 29.5 m = 96.8 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 | 2740000 | Roadway improvement cost | 1595000 | | | | | | |
| | Length of structure improvement | 39.9 m = 130.9 ft | | Total project cost | 4335000 | | | | | |
| | 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 | <input type="text" value="Open, no restriction [A]"/> | Appraisal ratings - structural | <input type="text" value="Better than present minimum criteria [7]"/> |
| Condition ratings - superstructure | <input type="text" value="Good [7]"/> | Appraisal ratings - roadway alignment | <input type="text" value="Equal to present desirable criteria [8]"/> |
| Condition ratings - substructure | <input type="text" value="Good [7]"/> | Appraisal ratings - deck geometry | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> |
| Condition ratings - deck | <input type="text" value="Good [7]"/> | | |
| 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="Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]"/> | | |
| Appraisal ratings - water adequacy | <input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/> | Status evaluation | <input type="text"/> |
| Pier or abutment protection | <input type="text" value="In place but in a deteriorated condition [3]"/> | Sufficiency rating | <input type="text" value="95.5"/> |
| 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"/> | | |
| Traffic safety features - approach guardrail | <input type="text"/> | | |
| Traffic safety features - approach guardrail ends | <input type="text"/> | | |
| Inspection date | <input type="text" value="October 2009 [1009]"/> | 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="Every two years [Y24]"/> | Fracture critical inspection date | <input type="text" value="October 2009 [1009]"/> |
| Other special inspection | <input type="text" value="Not needed [N]"/> | Other special inspection date | <input type="text"/> |