

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] Tompkins County [109] Groton [30972] .6 MI NW OF MCLEAN 42-33-23 = 42.556389 076-18-00 = - 76.300000

3210010 Highway agency district 36 Owner County Highway Agency [02] Maintenance responsibility County Highway Agency [02]

Route 0 CEMETERY LANE Toll On free road [3] Features intersected FALL CREEK

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

1 Truss - Thru [10] 0 Other [00] Year built 1915 Year reconstructed 1972

Skew angle 30 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 21.3 m = 69.9 ft Length of maximum span 21 m = 68.9 ft Deck width, out-to-out 5 m = 16.4 ft Bridge roadway width, curb-to-curb 4.5 m = 14.8 ft

Inventory Route, Total Horizontal Clearance 4.5 m = 14.8 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 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 Load Factor(LF) [1] Inventory rating 13.6 metric ton = 15.0 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 25.4 metric ton = 27.9 tons

Bridge posting 10.0 - 19.9 % below [3] Design Load

Functional Details

| | | | | | | | | | | |
|---|---------------------------------------|----------------------------|---|---|--|------------------------|------------------------------|-----|------|------|
| Average Daily Traffic | 126 | Average daily truck traffi | 6 | % | Year | 2009 | Future average daily traffic | 158 | Year | 2029 |
| Road classification | Local (Rural) [09] | | Lanes on structure | 1 | | Approach roadway width | 3.9 m = 12.8 ft | | | |
| Type of service on bridge | Highway [1] | | Direction of traffic | One lane bridge for 2 - way traffic [3] | | 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 | 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 | 269000 | Roadway improvement cost | 160000 | | | | | | |
| | Length of structure improvement | 21.3 m = 69.9 ft | | Total project cost | 429000 | | | | | |
| | 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

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - superstructure

Poor [4]

Appraisal ratings -
roadway alignment

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - substructure

Fair [5]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Fair [5]

Scour

Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]

Channel and channel protection

Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]

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

24.9

Culverts

Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings

Traffic safety features - transitions

Traffic safety features - approach guardrail

Traffic safety features - approach guardrail ends

Inspection date

August 2009 [0809]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every year [Y12]

Fracture critical inspection date

August 2009 [0809]

Other special inspection

Not needed [N]

Other special inspection date