

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information

New York [36] Tompkins County [109] Ithaca [38088] AT BUTTERMILK FALLS 42-25-00 = 42.416667 076-31-18 = - 76.521667

3210040 Highway agency district 36 Owner State Park, Forest, or Reservation Agency Maintenance responsibility State Park, Forest, or Reservation Agency

Route 0 OLD SAND BANK RD Toll On free road [3] Features intersected BUTTERMILK CREEK

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

1 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1881 Year reconstructed N/A [0000]

Skew angle 10 Structure Flared Yes, flared [1]

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

Total length 12.8 m = 42.0 ft Length of maximum span 12.1 m = 39.7 ft Deck width, out-to-out 3.6 m = 11.8 ft Bridge roadway width, curb-to-curb 3.5 m = 11.5 ft

Inventory Route, Total Horizontal Clearance 3.4 m = 11.2 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Wood or Timber [8]

Type of wearing surface Wood or Timber [7]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 19.9 km = 12.3 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 15.4 metric ton = 16.9 tons

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

Bridge posting 20.0 - 29.9 % below [2] Design Load

Functional Details

Average Daily Traffic	174	Average daily truck traffi	6	%	Year	2009	Future average daily traffic	219	Year	2029
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	3.3 m = 10.8 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]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	563000	Roadway improvement cost	381000		
	Length of structure improvement	12.8 m = 42.0 ft		Total project cost	944000	
	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

Equal to present minimum criteria [6]

Condition ratings - substructure

Poor [4]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Poor [4]

Scour

Bridge is scour critical; bridge foundations determined to be unstable. [3]

Channel and channel protection

Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

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

13.9

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

November 2009 [1109]

Designated inspection frequency

12

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Not needed [N]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date