

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]	Cayuga County [011]	Montezuma [48131]	1.8 MI SW JCT BARGE C +38	43-04-06 = 43.068333	076-40-06 = - 76.668333
4431040	Highway agency district: 31	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0	HOWLAND ISLAND RD	Toll On free road [3]	Features intersected	SENECA RIVER	
Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	
1	Truss - Thru [10]	2	Truss - Thru [10]	Year built	1913
				Year reconstructed	1952
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	125 m = 410.1 ft	Length of maximum span	48.2 m = 158.1 ft	Deck width, out-to-out	5.1 m = 16.7 ft
				Bridge roadway width, curb-to-curb	4.6 m = 15.1 ft
Inventory Route, Total Horizontal Clearance	4.5 m = 14.8 ft	Curb or sidewalk width - left	0.2 m = 0.7 ft	Curb or sidewalk width - right	0.2 m = 0.7 ft
Deck structure type	Open Grating [3]				
Type of wearing surface	Other [9]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	30.6 metric ton = 33.7 tons
0.5 km = 0.3 mi	Method to determine operating rating		Operating rating	43.2 metric ton = 47.5 tons
	Bridge posting	10.0 - 19.9 % below [3]	Design Load	

Functional Details

Average Daily Traffic	100	Average daily truck traffi	10	%	Year	1991	Future average daily traffic	1232	Year	2010
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4.9 m = 16.1 ft			
Type of service on bridge	Highway [1]		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	4.8 m = 15.7 ft		Navigation horizontal clearance	47.8 m = 156.8 ft						
Minimum navigation vertical clearance, vertical lift bridge			Minimum vertical clearance over bridge roadway	4.24 m = 13.9 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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1324000	Roadway improvement cost	154000						
	Length of structure improvement	143.3 m = 470.2 ft		Total project cost	2310000					
	Year of improvement cost estimate									
	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

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

Condition ratings - substructure

Serious [3]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Fair [5]

Scour

Scour calculation/evaluation has not been made. [6]

Channel and channel protection

Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition. [8]

Appraisal ratings - water adequacy

Equal to present minimum criteria [6]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Navigation protection not required [1]

Sufficiency rating

34.9

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

May 1991 [0591]

Designated inspection frequency

24

Months

Underwater inspection

Unknown [Y60]

Underwater inspection date

November 1987 [1187]

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

May 1991 [0591]

Other special inspection

Not needed [N]

Other special inspection date