

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]	Mentz [46602]	RTE.38 OVER CANAL	43-04-46.70 = 43.079639	076-38-41.44 = -76.644844
4024330	Highway agency district: 31	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 38	RTE 38	Toll On free road [3]	Features intersected	ERIE BARGE CANAL, SENECA	
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 6008 km = 3725.0 mi	Year built 1964	Year reconstructed N/A [0000]	
1	Truss - Thru [10]	2	Stringer/Multi-beam or girder [02]	Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length 111.6 m = 366.2 ft	Length of maximum span 67 m = 219.8 ft	Deck width, out-to-out 10.2 m = 33.5 ft	Bridge roadway width, curb-to-curb 8.6 m = 28.2 ft		
Inventory Route, Total Horizontal Clearance 8.5 m = 27.9 ft	Curb or sidewalk width - left 0.5 m = 1.6 ft	Curb or sidewalk width - right 0.5 m = 1.6 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Latex Concrete or similar additive [3]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	34.5 metric ton = 38.0 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	57.2 metric ton = 62.9 tons
Bridge posting	Equal to or above legal loads [5]		Design Load	MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	3201	Average daily truck traffi	5	%	Year	2018	Future average daily traffic	3233	Year	2038
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	9.4 m = 30.8 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	6 m = 19.7 ft		Navigation horizontal clearance	60.9 m = 199.8 ft						
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.52 m = 14.8 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]								
Widening of existing bridge with deck rehabilitation or replacement. [34]	Bridge improvement cost	7053000	Roadway improvement cost	4130000						
	Length of structure improvement	111.5 m = 365.8 ft		Total project cost	11183000					
	Year of improvement cost estimate	2018								
	Border bridge - state		Border bridge - percent responsibility of other state							
	Border bridge - structure number									

Inspection and Sufficiency

Structure status	Open, no restriction [A]	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 desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	50.1
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	October 2018 [1018]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	July 2017 [0717]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2018 [1018]
Other special inspection	Not needed [N]	Other special inspection date	