

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] Niagara County [063] Lewiston [42158] AT I190 & INT 104 43-09-09 = 43.152500 079-02-30 = - 79.041667

5068299 Highway agency district 54 Owner Local Toll Authority [32] Maintenance responsibility Local Toll Authority [32]

Route 0 LEWISTONQUEENSTON Toll Toll bridge [1] Features intersected R MOSES PARKWAY, NIAGARA

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 64829.8 km = 40194.5 mi

1 Arch - Deck [11] 7 Girder and floorbeam system [03] Year built 1960 Year reconstructed N/A [0000]

Skew angle 99 Structure Flared Yes, flared [1]

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

Total length 485.8 m = 1593.9 ft Length of maximum span 315.4 m = 1034.8 ft Deck width, out-to-out 20.2 m = 66.3 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft Curb or sidewalk width - left 0.4 m = 1.3 ft Curb or sidewalk width - right 2.4 m = 7.9 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 1.2 km = 0.7 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 73 metric ton = 80.3 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18+Mod / HS 20+Mod [6]

Functional Details

Average Daily Traffic	10261	Average daily truck traffi	14	%	Year	1989	Future average daily traffic	15374	Year	2009
Road classification	Principal Arterial - Interstate (Urban) [11]		Lanes on structure	4	Approach roadway width	14.6 m = 47.9 ft				
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median	Closed median (no barriers) [2]			
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway-waterway-railroad [Lanes under structure	4	Navigation control	Navigation control on waterway (bridge permit required). [1]				
Navigation vertical clearanc	93.5 m = 306.8 ft			Navigation horizontal clearance	129.2 m = 423.9 ft					
Minimum navigation vertical clearance, vertical lift bridge					Minimum vertical clearance over bridge roadway	4.87 m = 16.0 ft				
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.6 m = 2.0 ft				Minimum lateral underclearance on left	0.6 m = 2.0 ft				
Minimum Vertical Underclearance	5.63 m = 18.5 ft			Minimum vertical underclearance reference feature	Highway beneath structure [H]					
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

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	24380000	Roadway improvement cost	14191000		
	Length of structure improvement	485.8 m = 1593.9 ft		Total project cost	38571000	
	Year of improvement cost estimate	2009				
	Border bridge - state	Unknown [CAN]		Border bridge - percent responsibility of other state		
	Border bridge - structure number	0				

Inspection and Sufficiency

Structure status	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations (including piles) on dry land well above flood water elevations. [9]		
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]		
Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	68.1
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			
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	June 2009 [0609]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	June 2009 [0609]
Other special inspection	Not needed [N]	Other special inspection date	