

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] Niagara County [063] Royalton [64034] 4 MI W JCT SH271 & CANAL 43-12-24 = 43.206667 078-32-45 = - 78.545833

4454060 Highway agency district: 54 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 SLAYTON SETTMT RD Toll On free road [3] Features intersected ERIE CANAL, SOUTH TRAIL,

Design - main Steel [3] Design - approach Concrete [1] Kilometerpoint 0 km = 0.0 mi

1 Truss - Thru [10] 2 Slab [01] Year built 1911 Year reconstructed 1993

Skew angle 0 Structure Flared

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

Total length 58.5 m = 191.9 ft Length of maximum span 45.1 m = 148.0 ft Deck width, out-to-out 4.9 m = 16.1 ft Bridge roadway width, curb-to-curb 4.3 m = 14.1 ft

Inventory Route, Total Horizontal Clearance 4.3 m = 14.1 ft Curb or sidewalk width - left 0 m = 0.0 ft Curb or sidewalk width - right 0 m = 0.0 ft

Deck structure type Not applicable [N]

Type of wearing surface Bituminous [6]

Deck protection Not applicable (applies only to structures with no deck) [N]

Type of membrane/wearing surface Other [9]

Weight Limits

Bypass, detour length 0.3 km = 0.2 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 75.6 metric ton = 83.2 tons

Bridge posting 00.1 - 09.9 % below [4] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	715	Average daily truck traffi	5	%	Year	2001	Future average daily traffic	894	Year	2021
Road classification	Minor Collector (Rural) [08]		Lanes on structure	1		Approach roadway width	7 m = 23.0 ft			
Type of service on bridge	Highway [1]		Direction of traffic	1 - way traffic [1]		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	5.1 m = 16.7 ft			Navigation horizontal clearance	22.8 m = 74.8 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	4.22 m = 13.8 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	2087000	Roadway improvement cost	1396000						
	Length of structure improvement	58.5 m = 191.9 ft		Total project cost	3483000					
	Year of improvement cost estimate	2008								
	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	Better than present minimum criteria [7]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
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	Equal to present minimum criteria [6]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	69.9
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	November 2008 [1108]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	November 2008 [1108]
Other special inspection	Not needed [N]	Other special inspection date	