

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] Orleans County [073] Ridgeway [61742] 4.3 MI E JCT BG CNL &SH63 43-14-33 = 43.242500 078-18-38 = - 78.310556

4445180 Highway agency district: 45 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 KNOWLESVILLE ROAD Toll On free road [3] Features intersected ERIE CANAL

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

1 Movable - Lift [15] 2 Stringer/Multi-beam or girder [02] Year built 1910 Year reconstructed N/A [0000]

Skew angle 39 Structure Flared Yes, flared [1]

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

Total length 44.1 m = 144.7 ft Length of maximum span 37.4 m = 122.7 ft Deck width, out-to-out 6.2 m = 20.3 ft Bridge roadway width, curb-to-curb 5.7 m = 18.7 ft

Inventory Route, Total Horizontal Clearance 5.7 m = 18.7 ft Curb or sidewalk width - left 1.3 m = 4.3 ft Curb or sidewalk width - right 1.3 m = 4.3 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 0.6 km = 0.4 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 29 metric ton = 31.9 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 40.8 metric ton = 44.9 tons

Bridge posting Equal to or above legal loads [5] Design Load M 18 / H 20 [4]

Functional Details

Average Daily Traffic	1682	Average daily truck traffi	7	%	Year	2001	Future average daily traffic	2763	Year	2021
Road classification	Minor Collector (Rural) [08]		Lanes on structure	2		Approach roadway width	5.4 m = 17.7 ft			
Type of service on bridge	Highway-pedestrian [5]		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	5.1 m = 16.7 ft			Navigation horizontal clearance	26.2 m = 86.0 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft			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]								
Widening of existing bridge with deck rehabilitation or replacement. [34]	Bridge improvement cost	102000	Roadway improvement cost	51000						
	Length of structure improvement	44.1 m = 144.7 ft		Total project cost	153000					
	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 other load-capacity restriction [R]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	69.3
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	September 2008 [0908]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2008 [0908]
Other special inspection	Not needed [N]	Other special inspection date	