HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Murray [49286]	1.3 MI W JCT CANAL &SH237	43-14-58.64 = 43.249622	078-02-46.39 = -78.046219

4445040	Highway agency district: 45	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 0		GROTH ROAD	Toll: On free road [3]	Features intersected: Erie Canalway Trail, ERI	

Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	53.1 km = 32.9 mi
1	Truss - Thru [10]	2	Slab [01]	Year built: 1911	Year reconstructed: 2004
				Skew angle: 28	Structure Flared: Yes, flared [1]
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	64 m = 210.0 ft	Length of maximum span	50.9 m = 167.0 ft	Deck width, out-to-out	5 m = 16.4 ft	Bridge roadway width, curb-to-curb	4.5 m = 14.8 ft
Inventory Route, Total Horizontal Clearance	4.5 m = 14.8 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	Monolithic Concrete (concurrently placed with structural deck) [1]
Deck protection	Not applicable (applies only to structures with no deck) [N]
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	8.2 metric ton = 9.0 tons	
0.1 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	13.6 metric ton = 15.0 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	164	Average daily truck traffi	7 %	Year	2017	Future average daily traffic	165
Year	2038						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	6.7 m = 22.0 ft		
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	4.6 m = 15.1 ft	Navigation horizontal clearance	22.8 m = 74.8 ft				
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	4.14 m = 13.6 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

Widening of existing bridge with deck rehabilitation or replacement. [34]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	2758000	Roadway improvement cost	1615000
Length of structure improvement	64 m = 210.0 ft	Total project cost	4373000
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	Posted for load [P]	Appraisal ratings - structural	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Very Good [8]	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	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	Superior to present desirable criteria [9]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	24.2

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	
Traffic safety features - transitions	
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	July 2018 [0718]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	July 2018 [0718]
Other special inspection	Not needed [N]	Other special inspection date	