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]	Niagara County [063]	Hartland [32490]	3.4 MI NW OF JOHNSON CRK	43-17-15.11 = 43.287531	078-29-20.40 = -78.489000

3328940	Highway agency district: 54	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 0		CARMEN ROAD	Toll: On free road [3]	Features intersected: JOHNSON CREEK	

Design - main	Steel [3]	Design - approach		Kilometerpoint: 917.1 km = 568.6 mi	
1	Girder and floorbeam system [03]	0	Other [00]	Year built: 1968	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 19.8 m = 65.0 ft	Length of maximum span: 18.2 m = 59.7 ft	Deck width, out-to-out: 8.1 m = 26.6 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 m = 0.0 ft	Curb or sidewalk width - right: 0 m = 0.0 ft			
Deck structure type: Concrete Cast-in-Place [1]					
Type of wearing surface: Bituminous [6]					
Deck protection:					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 6.5 metric ton = 7.2 tons		
0.3 km = 0.2 mi	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 10.8 metric ton = 11.9 tons		
	Bridge posting:		Design Load: M 13.5 / H 15 [2]		

Functional Details

Average Daily Traffic	681	Average daily truck traffi	9 %	Year	2016	Future average daily traffic	687
Year	2038						
Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	6.4 m = 21.0 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 vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A				
Minimum navigation vertical clearance, vertical lift bridge		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	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	998000	Roadway improvement cost	584000
Length of structure improvement	19.8 m = 65.0 ft	Total project cost	1582000
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	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	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	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	29.5

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	

Inspection date	September 2018 [0918]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	September 2018 [0918]
Other special inspection	Not needed [N]	Other special inspection date	