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]	Westchester County [119]	Yorktown [84077]	TSP(SB) AT NEW CROTON RES	41-14-20.12 = 41.238922	073-49-03.34 = -73.817594

5502200	Highway agency district: 87	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: #Num!		RTE 987G	Toll: On free road [3]	Features intersected: CROTON DAM ROAD, NEW CRO	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 2035.4 km = 1261.9 mi	
5	Truss - Deck [09]	0	Other [00]	Year built: 1972	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is not eligible for the NRHP. [5]	

Total length: 415.4 m = 1362.9 ft	Length of maximum span: 121.9 m = 400.0 ft	Deck width, out-to-out: 13.8 m = 45.3 ft	Bridge roadway width, curb-to-curb: 12.3 m = 40.4 ft		
Inventory Route, Total Horizontal Clearance: 12.2 m = 40.0 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: Latex Concrete or similar additive [3]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 1.4 km = 0.9 mi	Method to determine inventory rating: Load Factor(LF) [1]		Inventory rating: 38.1 metric ton = 41.9 tons		
	Method to determine operating rating: Load Factor(LF) [1]		Operating rating: 63.5 metric ton = 69.9 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: MS 18 / HS 20 [5]		

Functional Details

Average Daily Traffic	0	Average daily truck traffi	4 %	Year	2018	Future average daily traffic	0	Year	
Road classification	Principal Arterial - Other Freeways or Exp	Lanes on structure	3	Approach roadway width	13.1 m = 43.0 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	Highway-waterway [6]	Lanes under structure	2	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	Highway beneath structure [H]								
Minimum lateral underclearance on right	2.7 m = 8.9 ft	Minimum lateral underclearance on left	0 = N/A						
Minimum Vertical Underclearance	8.99 m = 29.5 ft	Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Somewhat better than minimum adequacy to tolerate being left in place as is [5]								

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	38612000	Roadway improvement cost	22611000
Length of structure improvement	415.4 m = 1362.9 ft	Total project cost	61224000
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	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	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	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	
Pier or abutment protection		Sufficiency rating	92

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

Traffic safety features - railings	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
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	December 2018 [1218]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2014 [0914]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	December 2018 [1218]
Other special inspection	Not needed [N]	Other special inspection date	