HistoricBridges.org - National Bridge Inventory Data Sheet

2016 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(NB) AT NEW CROTON RES	41-14-15.47 = 41.237631	073-48-45.86 = -73.812739

5502190	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: NEW CROTON RESRVR	

Design - main	Steel [3]	Design - approach	Concrete continuous [2]	Kilometerpoint	2035.4 km = 1261.9 mi
1	Arch - Thru [12]	2	Tee beam [04]	Year built: 1931	Year reconstructed: 2012
				Skew angle: 0	Structure Flared:
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	238.4 m = 782.2 ft	Length of maximum span	228.6 m = 750.0 ft	Deck width, out-to-out	13.2 m = 43.3 ft	Bridge roadway width, curb-to-curb	12.2 m = 40.0 ft
Inventory Route, Total Horizontal Clearance	12.1 m = 39.7 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	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	Method to determine inventory rating	No rating analysis or evaluation perfor	Inventory rating	32.7 metric ton = 36.0 tons	
1.4 km = 0.9 mi	Method to determine operating rating	No rating analysis or evaluation perfor	Operating rating	75.1 metric ton = 82.6 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	59940	Average daily truck traffi	4 %	Year	1999	Future average daily traffic	83916	Year	2019

Road classification	Principal Arterial - Other Freeways or Exp	Lanes on structure	3	Approach roadway width	12.4 m = 40.7 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 vertical clearanc	0 = N/A	Navigation horizontal clearance	0 = N/A		
Minimum navigation vertical clearance, vertical lift bridge		Minimum vertical clearance over bridge roadway	3.96 m = 13.0 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	4539000	Roadway improvement cost	2658000
Length of structure improvement	238.4 m = 782.2 ft	Total project cost	7197000
Year of improvement cost estimate	2014		
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	Good [7]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Excellent [9]		

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	59

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	
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 2014 [1214]	Designated inspection frequency	24	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	December 2014 [1214]
Other special inspection	Not needed [N]	Other special inspection date	