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]	Harrison [32402]	1.2 MI N MAMARONECK RYE	40-58-06.95 = 40.968597	073-43-01.75 = -73.717153

2262250	Highway agency district: 87	Owner: Railroad [27]	Maintenance responsibility: Town or Township Highway Agency [03]		
Route: 0		BROADWAY	Toll: On free road [3]	Features intersected: MNRR NH LINE	
Design - main: Steel [3]	Design - approach: Wood or timber [7]	Kilometerpoint: 4.8 km = 3.0 mi			
1	Girder and floorbeam system [03]	1	Stringer/Multi-beam or girder [02]	Year built: 1887	Year reconstructed: N/A [0000]
				Skew angle: 7	Structure Flared:
				Historical significance: Historical significance is not determinable at this time. [4]	

Total length: 19.8 m = 65.0 ft	Length of maximum span: 16.4 m = 53.8 ft	Deck width, out-to-out: 10.1 m = 33.1 ft	Bridge roadway width, curb-to-curb: 6.7 m = 22.0 ft		
Inventory Route, Total Horizontal Clearance: 6.7 m = 22.0 ft	Curb or sidewalk width - left: 1.5 m = 4.9 ft	Curb or sidewalk width - right: 1.2 m = 3.9 ft			
Deck structure type: Wood or Timber [8]					
Type of wearing surface: Bituminous [6]					
Deck protection:					
Type of membrane/wearing surface:					

Weight Limits

Bypass, detour length: 0.1 km = 0.1 mi	Method to determine inventory rating: Load Factor(LF) [1]	Inventory rating: 9.1 metric ton = 10.0 tons			
	Method to determine operating rating: Load Factor(LF) [1]	Operating rating: 16.3 metric ton = 17.9 tons			
	Bridge posting:	Design Load:			

Functional Details

Average Daily Traffic	3180	Average daily truck traffi	2 %	Year	2014	Future average daily traffic	3211
Year	2038						
Road classification	Local (Urban) [19]	Lanes on structure	2	Approach roadway width	6.7 m = 22.0 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	Railroad [2]	Lanes under structure	0	Navigation control	Not applicable, no waterway. [N]		
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	Railroad beneath structure [R]						
Minimum lateral underclearance on right	1.2 m = 3.9 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	5.08 m = 16.7 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrrective action [3]						

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	1575000	Roadway improvement cost	922000
Length of structure improvement	19.8 m = 65.0 ft	Total project cost	2497000
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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	13.8
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			

Inspection date	December 2018 [1218]	Designated inspection frequency	12	Months	
Underwater inspection	Not needed [N]			Underwater inspection date	
Fracture critical inspection	Every year [Y12]			Fracture critical inspection date	December 2018 [1218]
Other special inspection	Not needed [N]			Other special inspection date	