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

Connecticut [09]	New Haven County [009]	Milford [47535]	AT STRATFORD TOWN LINE	41-12-10.40 = 41.202889	073-06-37.75 = -73.110486

327	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 1		US ROUTE 1	Toll: On free road [3]	Features intersected: HOUSATONIC RIVER	

Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	5674.9 km = 3518.4 mi
1	Movable - Bascule [16]	9	Arch - Deck [11]	Year built: 1921	Year reconstructed: 2006
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is possibly eligible for the NRHP. [3]

Total length	267.3 m = 877.0 ft	Length of maximum span	55.8 m = 183.1 ft	Deck width, out-to-out	18.7 m = 61.4 ft	Bridge roadway width, curb-to-curb	14.6 m = 47.9 ft
Inventory Route, Total Horizontal Clearance	14.6 m = 47.9 ft	Curb or sidewalk width - left	1.8 m = 5.9 ft	Curb or sidewalk width - right	1.8 m = 5.9 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Bituminous [6]
Deck protection	Epoxy Coated Reinforcing [1]
Type of membrane/wearing surface	Built-up [1]

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	32.7 metric ton = 36.0 tons	
0.5 km = 0.3 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	54.5 metric ton = 60.0 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	21600	Average daily truck traffi	6 %	Year	2015	Future average daily traffic	32095
Year	2035						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	4	Approach roadway width	14.6 m = 47.9 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	Waterway [5]	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required). [1]		
Navigation vertical clearanc	9.8 m = 32.2 ft	Navigation horizontal clearance	38.1 m = 125.0 ft				
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

Other structural work, including hydraulic replacements. [38]

Work done by	Work to be done by contract [1]		
Bridge improvement cost		Roadway improvement cost	
Length of structure improvement		Total project cost	17100000
Year of improvement cost estimate	2017		
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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]
Channel and channel protection	Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]

Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	39.1

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	October 2018 [1018]	Designated inspection frequency	24	Months

Underwater inspection	Every two years [Y24]	Underwater inspection date	March 2018 [0318]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2018 [1018]
Other special inspection	Not needed [N]	Other special inspection date	