

The National Bridge Inventory contains data submitted by state transportation 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]	New Haven [52070]	100' E OF FRONT STREET	41-18-32.08 = 41.308911	072-53-16.17 = -72.887825
3810	Highway agency district: 3	Owner City or Municipal Highway Agency [04]	Maintenance responsibility City or Municipal Highway Agency [04]		
Route 0	GRAND AVENUE	Toll On free road [3]	Features intersected QUINNIPIAC RIVER		
Design - main Steel [3]	Design - approach Steel [3]	Kilometerpoint 9115 km = 5651.3 mi	Year built #Num!	Year reconstructed 1984	
2	Movable - Swing [17]	4	Girder and floorbeam system [03]	Skew angle 0	Structure Flared
				Historical significance	Bridge is possibly eligible for the NRHP. [3]
Total length 129.8 m = 425.9 ft	Length of maximum span 31.1 m = 102.0 ft	Deck width, out-to-out 16.5 m = 54.1 ft	Bridge roadway width, curb-to-curb 10.4 m = 34.1 ft		
Inventory Route, Total Horizontal Clearance 10.4 m = 34.1 ft	Curb or sidewalk width - left 2.4 m = 7.9 ft	Curb or sidewalk width - right 2.4 m = 7.9 ft			
Deck structure type	Closed Grating [4]				
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	27.2 metric ton = 29.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	46.3 metric ton = 50.9 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

Functional Details

Average Daily Traffic	7567	Average daily truck traffi	5	%	Year	2017	Future average daily traffic	11244	Year	2037
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	10.4 m = 34.1 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	2.7 m = 8.9 ft			Navigation horizontal clearance	21.3 m = 69.9 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	5.31 m = 17.4 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	Work done by	Work to be done by contract [1]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost		Roadway improvement cost	
	Length of structure improvement		Total project cost	25036000
	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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Bridge foundations determined to be stable for assessed or calculated scour condition. [5]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Better than present minimum criteria [7]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="In place but in a deteriorated condition [3]"/>	Sufficiency rating	<input type="text" value="72.8"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="September 2017 [0917]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Every two years [Y24]"/>	Underwater inspection date	<input type="text" value="March 2017 [0317]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="September 2017 [0917]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>