

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

Massachusetts [25] Suffolk County [025] Boston [07000] OVER FT POINT CHANNEL 42-21-06 = 42.351667 071-03-05 = - 71.051389

B1603238AMUNNBI Highway agency district 6 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

Route 0 HWY CONGRESS ST Toll On free road [3] Features intersected WATER FORT POINT CHANNEL

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 101.4 km = 62.9 mi

2 Truss - Thru [10] 8 Girder and floorbeam system [03] Year built 1850 Year reconstructed 2009

Skew angle 0 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 166.7 m = 546.9 ft Length of maximum span 28.6 m = 93.8 ft Deck width, out-to-out 13.9 m = 45.6 ft Bridge roadway width, curb-to-curb 12.2 m = 40.0 ft

Inventory Route, Total Horizontal Clearance 12.2 m = 40.0 ft Curb or sidewalk width - left 2.3 m = 7.5 ft Curb or sidewalk width - right 2.3 m = 7.5 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 0.8 km = 0.5 mi Method to determine inventory rating No rating analysis performed [5] Inventory rating 32.4 metric ton = 35.6 tons

Method to determine operating rating No rating analysis performed [5] Operating rating 44.1 metric ton = 48.5 tons

Bridge posting Equal to or above legal loads [5] Design Load MS 18 / HS 20 [5]

Functional Details

Average Daily Traffic	<input type="text" value="15800"/>	Average daily truck traffi	<input type="text" value="10"/>	%	Year	<input type="text" value="2009"/>	Future average daily traffic	<input type="text" value="23058"/>	Year	<input type="text" value="2030"/>
Road classification	<input type="text" value="Minor Arterial (Urban) [16]"/>		Lanes on structure	<input type="text" value="2"/>		Approach roadway width	<input type="text" value="12.2 m = 40.0 ft"/>			
Type of service on bridge	<input type="text" value="Highway-pedestrian [5]"/>		Direction of traffic	<input type="text" value="2 - way traffic [2]"/>		Bridge median	<input type="text"/>			
Parallel structure designation	<input type="text" value="No parallel structure exists. [N]"/>									
Type of service under bridge	<input type="text" value="Waterway [5]"/>		Lanes under structure	<input type="text" value="0"/>		Navigation control	<input type="text" value="Navigation control on waterway (bridge permit required). [1]"/>			
Navigation vertical clearanc	<input type="text" value="1.8 m = 5.9 ft"/>			Navigation horizontal clearance	<input type="text" value="22.9 m = 75.1 ft"/>					
Minimum navigation vertical clearance, vertical lift bridge	<input type="text" value="0 m = 0.0 ft"/>				Minimum vertical clearance over bridge roadway	<input type="text" value="7.77 m = 25.5 ft"/>				
Minimum lateral underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>									
Minimum lateral underclearance on right	<input type="text" value="0 = N/A"/>					Minimum lateral underclearance on left	<input type="text" value="0 = N/A"/>			
Minimum Vertical Underclearance	<input type="text" value="0 = N/A"/>			Minimum vertical underclearance reference feature	<input type="text" value="Feature not a highway or railroad [N]"/>					
Appraisal ratings - underclearances	<input type="text" value="N/A [N]"/>									

Repair and Replacement Plans

Type of work to be performed	<input type="text"/>				
<input type="text"/>	Work done by	<input type="text"/>			
	Bridge improvement cost	<input type="text" value="0"/>	Roadway improvement cost	<input type="text" value="0"/>	
	Length of structure improvement	<input type="text" value="0 m = 0.0 ft"/>	Total project cost	<input type="text" value="0"/>	
	Year of improvement cost estimate	<input type="text" value="2011"/>			
	Border bridge - state	<input type="text"/>	Border bridge - percent responsibility of other state	<input type="text"/>	
Border bridge - structure number	<input type="text"/>				

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 minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text"/>		
Channel and channel protection	<input type="text" value="Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]"/>		
Appraisal ratings - water adequacy	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="In place and functioning [2]"/>	Sufficiency rating	<input type="text" value="75.1"/>
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" value="Inspected feature meets currently acceptable standards. [1]"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Inspected feature meets currently acceptable standards. [1]"/>		
Inspection date	<input type="text" value="July 2009 [0709]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y42]"/>	Underwater inspection date	<input type="text" value="September 2007 [0907]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="July 2009 [0709]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>