

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 42-21-03 = 42.350833 071-03-08 = - 71.052222

B16031389MUNNBI Highway agency district 6 Owner City or Municipal Highway Agency [04] Maintenance responsibility City or Municipal Highway Agency [04]

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

Design - main Steel continuous [4] Design - approach Other [00] Kilometerpoint 85.3 km = 52.9 mi

6 Stringer/Multi-beam or girder [02] 0 Other [00] Year built 1899 Year reconstructed 1998

Skew angle 0 Structure Flared

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

Total length 153 m = 502.0 ft Length of maximum span 27.3 m = 89.6 ft Deck width, out-to-out 30.5 m = 100.1 ft Bridge roadway width, curb-to-curb 9.8 m = 32.2 ft

Inventory Route, Total Horizontal Clearance 9.8 m = 32.2 ft Curb or sidewalk width - left 3.1 m = 10.2 ft Curb or sidewalk width - right 3.1 m = 10.2 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 0.2 km = 0.1 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 28.2 metric ton = 31.0 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 47 metric ton = 51.7 tons

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

Functional Details

Average Daily Traffic	26500	Average daily truck traffi	17	%	Year	2010	Future average daily traffic	41851	Year	2031
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	4		Approach roadway width	23.2 m = 76.1 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median	Open median [1]			
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	0 m = 0.0 ft			Minimum vertical clearance over bridge roadway	4.06 m = 13.3 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	11621000	Roadway improvement cost	1163000						
	Length of structure improvement	154 m = 505.3 ft		Total project cost	17432000					
	Year of improvement cost estimate	2011								
	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	Equal to present minimum criteria [6]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]		
Channel and channel protection	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	Better than present minimum criteria [7]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	69.8
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	August 2010 [0810]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y36]	Underwater inspection date	August 2010 [0810]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	

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]	Hampden County [013]	Boston [07000]	OVER FT POINT CHANNEL	42-21-06 = 42.351667	071-03-06 = - 71.051667
MUN896031100	Highway agency district 8	Owner Town or Township Highway Agency [03]	Maintenance responsibility	Town or Township Highway Agency [03]	
Route 0	HWY SUMMER ST	Toll On free road [3]	Features intersected WATER FT PT CHANNEL DRAW		
Design - main 3	Steel continuous [4]	Design - approach 0	Other [00]	Kilometerpoint	
	Girder and floorbeam system [03]			Year built 1850	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance Bridge is eligible for the NRHP. [2]	
Total length 33.8 m = 110.9 ft	Length of maximum span 18.3 m = 60.0 ft	Deck width, out-to-out 13.4 m = 44.0 ft	Bridge roadway width, curb-to-curb 10.1 m = 33.1 ft		
Inventory Route, Total Horizontal Clearance 10.2 m = 33.5 ft	Curb or sidewalk width - left 0.2 m = 0.7 ft	Curb or sidewalk width - right 2.9 m = 9.5 ft			
Deck structure type					
Type of wearing surface	Other [9]				
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi	Method to determine inventory rating		Inventory rating 5 metric ton = 5.5 tons
	Method to determine operating rating		Operating rating 8.2 metric ton = 9.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	

Functional Details

Average Daily Traffic Average daily truck traffi % Year Future average daily traffic Year

Road classification Lanes on structure Approach roadway width

Type of service on bridge Direction of traffic Bridge median

Parallel structure designation

Type of service under bridge Lanes under structure Navigation control

Navigation vertical clearanc Navigation horizontal clearance

Minimum navigation vertical clearance, vertical lift bridge Minimum vertical clearance over bridge roadway

Minimum lateral underclearance reference feature

Minimum lateral underclearance on right Minimum lateral underclearance on left

Minimum Vertical Underclearance Minimum vertical underclearance reference feature

Appraisal ratings - underclearances

Repair and Replacement Plans

Type of work to be performed

Work done by

Bridge improvement cost Roadway improvement cost

Length of structure improvement Total project cost

Year of improvement cost estimate

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 replacement [2]

Condition ratings - superstructure

Serious [3]

Appraisal ratings -
roadway alignment

Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Basically intolerable requiring high priority of replacement [2]

Condition ratings - deck

Satisfactory [6]

Scour

Scour calculation/evaluation has not been made. [6]

Channel and channel protection

Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy

Equal to present desirable criteria [8]

Status evaluation

Structurally deficient [1]

Pier or abutment protection

Sufficiency rating

28.9

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

March 1989 [0389]

Designated inspection frequency

24

Months

Underwater inspection

Unknown [Y36]

Underwater inspection date

August 1990 [0890]

Fracture critical inspection

Not needed [N]

Fracture critical inspection date

Other special inspection

Not needed [N]

Other special inspection date