

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]	Essex County [009]	Amesbury [01185]	0.1MI N MERRIMAC RIVER	42-50-29 = 42.841389	070-55-32 = - 70.925556
A070092YADOTNBI	Highway agency district 4	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0	HWY MAIN ST	Toll On free road [3]	Features intersected WATER POWWOW RIVER		
Design - main Steel [3]	Design - approach	Kilometerpoint 256 km = 158.7 mi	Year built 1890	Year reconstructed 1998	
2	Stringer/Multi-beam or girder [02]	0 Other [00]	Skew angle 0	Structure Flared	
			Historical significance Bridge is eligible for the NRHP. [2]		
Total length 31.1 m = 102.0 ft	Length of maximum span 16.2 m = 53.2 ft	Deck width, out-to-out 6.9 m = 22.6 ft	Bridge roadway width, curb-to-curb 6.8 m = 22.3 ft		
Inventory Route, Total Horizontal Clearance 6.7 m = 22.0 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 2.4 m = 7.9 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 0.2 km = 0.1 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	59.9 metric ton = 65.9 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	91.1 metric ton = 100.2 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### Functional Details

Average Daily Traffic	2060	Average daily truck traffi	4	%	Year	2009	Future average daily traffic	3253	Year	2030
Road classification	Minor Arterial (Urban) [16]	Lanes on structure	2		Approach roadway width	6.9 m = 22.6 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 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	3.14 m = 10.3 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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1782000	Roadway improvement cost	179000						
	Length of structure improvement	40 m = 131.2 ft		Total project cost	2674000					
	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	Very Good [8]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
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	Equal to present desirable criteria [8]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection	In place and functioning [2]	Sufficiency rating	78.7
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	May 2009 [0509]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y36]	Underwater inspection date	May 2010 [0510]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	

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**Basic Information**

Massachusetts [25] Essex County [009] Amesbury [01185] 1.1MI N MERRIMAC RIVER 42-50-24 = 42.840000 070-55-30 = - 70.925000

4.015010131e+011 Highway agency district 5 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 HWY MAIN ST Toll On free road [3] Features intersected WATER POWWOW RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint Year built 1890 Year reconstructed N/A [0000]

1 Truss - Thru [10] Skew angle 0 Structure Flared Historical significance Bridge is eligible for the NRHP. [2]

Total length 33.5 m = 109.9 ft Length of maximum span 31.7 m = 104.0 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 2.4 m = 7.9 ft Curb or sidewalk width - right 0 m = 0.0 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 0.2 km = 0.1 mi Method to determine inventory rating Inventory rating 7.6 metric ton = 8.4 tons

Method to determine operating rating Operating rating 12.6 metric ton = 13.9 tons

Bridge posting 00.1 - 09.9 % below [4] Design Load

### Functional Details

Average Daily Traffic	9975	Average daily truck traffi	6	%	Year	1992	Future average daily traffic	10715	Year	2010
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	10.1 m = 33.1 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 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	3.12 m = 10.2 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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	907000	Roadway improvement cost	91000						
	Length of structure improvement	33.5 m = 109.9 ft		Total project cost	1361000					
	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	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Serious [3]	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	In place but in a deteriorated condition [3]	Sufficiency rating	7.3
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	January 1992 [0192]	Designated inspection frequency	6 Months
Underwater inspection	Unknown [Y36]	Underwater inspection date	July 1989 [0789]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 1991 [0791]
Other special inspection	Unknown [Y06]	Other special inspection date	July 1991 [0791]