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						42-42-14 =	071-09-13 = -	
Massachusetts [25] Essex County [00]	Lawrence [34550]		AT MERRIMAC RIVER			71.153611	
04003317DOTNBI Highway agency district 4 Owner State Highway		Agency [01] Maintenance responsibility			State Highway Age	ency [01]		
Route 0 HWY UNION ST Toll On free road [3] Features intersected WATER MERRIMACK RIVER								
Design - Aluminum, Wrought Iron or Calron [9] 5 Truss - Thru [10]	Design - approach O Other	[00]	Kilometerpoint 0.2 Year built 1888 Skew angle 0 Historical significance	Structure Flan	nstructed 1980 red eligible for the N			
Total length 185.9 m = 609.9 ft Length of maximum span 39.9 m = 130.9 ft Deck width, out-to-out 14.9 m = 48.9 ft Bridge roadway width, curb-to-curb 8 m = 26.2 ft Inventory Route, Total Horizontal Clearance 7.9 m = 25.9 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 Type of wearing surface	Open Grating [3]	out of stateman v	au ot Ellin	, n		nak mati Tigik		
Type of membrane/wearing surface								
Weight Limits								
Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating		Allowable Stress(AS) [2]		Inventory rating 0 metric ton = 0.0 tons				
Method to determine operating rating Allowable Stress(AS) Bridge posting			3 J) metric ton = 0.0 .5 / H 15 [2]	0 tons			

Functional Details							
Average Daily Traffic 29000 Average daily tru	uck traffi 5 % Year 2008 Future average daily traffic 45800 Year 2031						
Road classification Minor Arterial (Urban) [16]	Lanes on structure 2 Approach roadway width 7.9 m = 25.9 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 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 4.19 m = 13.7 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 improvement cost 12926000 Roadway improvement cost 1293000						
bridge roadway geometry. [31]	Length of structure improvement 193 m = 633.2 ft Total project cost 19390000						
	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 Bridge closed	d to all traffic [K]	Appraisal ratings - structural						
Condition ratings - superstructur	Serious [3]	Appraisal ratings - roadway alignment	Equal to pres	ria [8]				
Condition ratings - substructure	Fair [5]	Appraisal ratings -						
Condition ratings - deck	Poor [4]	deck geometry						
Scour	Bridge foundations determine	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]						
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 adequac	Superior to present desirable	Superior to present desirable criteria [9]			Structurally deficient [1]			
Pier or abutment protection Navigation protection not requ		uired [1]	Sufficiency rating 2		2			
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 April 2010 [0410] Designated inspection frequency 6 Months								
Underwater inspection	Underwater inspec	ction date	September 200	9 [0909]				
Fracture critical inspection Every two years [Y24]		Fracture critical ins	spection date	April 2010 [0410				
Other special inspection Unknown [Y06] Other special inspection date October 2010 [1010]								