

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

Massachusetts [25]	Hampshire County [015]	Hadley [27690]	250' E JCT DAMON RD.	42-20-09.43 = 42.335953	072-37-05.64 = -72.618233
H010120UUDOTNBI	Highway agency district: 2	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 9	ST 9 RUSSELL ST	Toll On free road [3]	Features intersected	WATER CONNECTICUT RIVER	
Design - main 5	Mixed types [20]	Design - approach 8	Prestressed concrete [5]	Kilometerpoint 7531.5 km = 4669.5 mi	Year built 1937
			Box beam or girders - Multiple [05]	Year reconstructed 2003	Skew angle 0
				Structure Flared	Historical significance Bridge is possibly eligible for the NRHP. [3]
Total length 439.2 m = 1441.0 ft	Length of maximum span 90.2 m = 295.9 ft	Deck width, out-to-out 19 m = 62.3 ft	Bridge roadway width, curb-to-curb 16.2 m = 53.2 ft		
Inventory Route, Total Horizontal Clearance 16.2 m = 53.2 ft	Curb or sidewalk width - left 1.5 m = 4.9 ft	Curb or sidewalk width - right 0 m = 0.0 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 1.9 km = 1.2 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	25.6 metric ton = 28.2 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	42.7 metric ton = 47.0 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	MS 18 / HS 20 [5]	

### Functional Details

Average Daily Traffic	32314	Average daily truck traffi	10	%	Year	2018	Future average daily traffic	53064	Year	2031
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	4		Approach roadway width	16.2 m = 53.2 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	99.99 m = 328.1 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	28182000	Roadway improvement cost	2819000						
	Length of structure improvement	440 m = 1443.6 ft		Total project cost	42274000					
	Year of improvement cost estimate	2019								
	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	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Good [7]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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	
Pier or abutment protection		Sufficiency rating	62.2
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	Inspected feature meets currently acceptable standards. [1]		
Inspection date	October 2018 [1018]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y36]	Underwater inspection date	August 2016 [0816]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2018 [1018]
Other special inspection	Not needed [N]	Other special inspection date	