

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] Middlesex County [017] Lowell [37000] 0.40 KM SE WALKER & BRDWY 42-38-26 = 42.640556 071-19-53 = - 71.331389

L150112N6DOT634 Highway agency district 4 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 HWY WALKER ST Toll On free road [3] Features intersected RR BMRR

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 0 km = 0.0 mi
 1 Truss - Thru [10] 0 Other [00] Year built 1910 Year reconstructed 1994
 Skew angle 0 Structure Flared
 Historical significance Bridge is not eligible for the NRHP. [5]

Total length 19.5 m = 64.0 ft Length of maximum span 17.4 m = 57.1 ft Deck width, out-to-out 12.3 m = 40.4 ft Bridge roadway width, curb-to-curb 7 m = 23.0 ft

Inventory Route, Total Horizontal Clearance 7 m = 23.0 ft Curb or sidewalk width - left 1.9 m = 6.2 ft Curb or sidewalk width - right 1.9 m = 6.2 ft

Deck structure type Corrugated Steel [6]
 Type of wearing surface Bituminous [6]
 Deck protection
 Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.3 km = 0.2 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 32.2 metric ton = 35.4 tons
 Method to determine operating rating Load Factor(LF) [1] Operating rating 53.7 metric ton = 59.1 tons
 Bridge posting Equal to or above legal loads [5] Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	3000	Average daily truck traffi	18	%	Year	2010	Future average daily traffic	4738	Year	2031
Road classification	Collector (Urban) [17]	Lanes on structure	2	Approach roadway width	8.5 m = 27.9 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	Railroad [2]	Lanes under structure	0	Navigation control	Not applicable, no waterway. [N]					
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	Railroad beneath structure [R]									
Minimum lateral underclearance on right	5.8 m = 19.0 ft				Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	5.46 m = 17.9 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

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	609000	Roadway improvement cost	61000						
	Length of structure improvement	20 m = 65.6 ft		Total project cost	914000					
	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	<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="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge not over waterway. [N]"/>		
Channel and channel protection	<input type="text" value="Not applicable. [N]"/>		
Appraisal ratings - water adequacy	<input type="text" value="N/A [N]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="57.3"/>
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"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="November 2010 [1110]"/>	Designated inspection frequency	<input type="text" value="12"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="November 2010 [1110]"/>
Other special inspection	<input type="text" value="Every year [Y12]"/>	Other special inspection date	<input type="text" value="November 2010 [1110]"/>