

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

New Hampshire [33] Strafford County [017] Dover [18820] NEWINGTON TL 43-07-05 = 43.118056 070-49-34 = - 70.826111

006502000002300 Highway agency district 6 Owner State Toll Authority [31] Maintenance responsibility State Toll Authority [31]

Route 4 ROAD Toll On free road [3] Features intersected LITTLE BAY

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 11.3 km = 7.0 mi

1 Truss - Thru [10] 8 Truss - Deck [09] Year built 1934 Year reconstructed 1950

Skew angle 0 Structure Flared

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

Total length 483.1 m = 1585.1 ft Length of maximum span 83.8 m = 274.9 ft Deck width, out-to-out 9.3 m = 30.5 ft Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft

Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft Curb or sidewalk width - left 0.9 m = 3.0 ft Curb or sidewalk width - right 0.9 m = 3.0 ft

Deck structure type Concrete Cast-in-Place [1]

Type of wearing surface Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 2.9 km = 1.8 mi Method to determine inventory rating Load Factor(LF) [1] Inventory rating 0 metric ton = 0.0 tons

Method to determine operating rating Load Factor(LF) [1] Operating rating 0 metric ton = 0.0 tons

Bridge posting Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	0	Average daily truck traffi	8	%	Year	2003	Future average daily traffic	0	Year	2032
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	8.5 m = 27.9 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic			Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Waterway [5]		Lanes under structure	0		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	50 m = 164.1 ft			Navigation horizontal clearance	160 m = 525.0 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	5.49 m = 18.0 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	99.9 = Unlimited					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	2000000			Roadway improvement cost	200000				
	Length of structure improvement	483.1 m = 1585.1 ft			Total project cost	2500000				
	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 to all traffic [K]	Appraisal ratings - structural	
Condition ratings - superstructure	Imminent Failure [1]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Imminent Failure [1]	Appraisal ratings - deck geometry	N/A [N]
Condition ratings - deck	Imminent Failure [1]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place but in a deteriorated condition [3]	Sufficiency rating	31
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	November 2010 [1110]	Designated inspection frequency	16 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	September 2008 [0908]
Fracture critical inspection	Unknown [Y08]	Fracture critical inspection date	November 2010 [1110]
Other special inspection	Not needed [N]	Other special inspection date	