

# HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

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

New Hampshire [33]		Merrimack County [013]		Henniker [35540]		3.6 MI FR DEERING TL		43-10-04 = 43.167778		071-50-29 = - 71.841389	
012000970010100		Highway agency district 5		Owner City or Municipal Highway Agency [04]		Maintenance responsibility		City or Municipal Highway Agency [04]			
Route 0		PATTERSON HILL RD		Toll On free road [3]		Features intersected CONTOOCOOK RIVER					
Design - main Steel [3]		Design - approach		Kilometerpoint 572.9 km = 355.2 mi							
1		Truss - Thru [10]		0		Other [00]		Year built 1915		Year reconstructed 2001	
								Skew angle 0		Structure Flared	
								Historical significance Bridge is eligible for the NRHP. [2]			
Total length 36.3 m = 119.1 ft		Length of maximum span 34.4 m = 112.9 ft		Deck width, out-to-out 4.5 m = 14.8 ft		Bridge roadway width, curb-to-curb 4.1 m = 13.5 ft					
Inventory Route, Total Horizontal Clearance 4.1 m = 13.5 ft		Curb or sidewalk width - left 0 m = 0.0 ft		Curb or sidewalk width - right 0 m = 0.0 ft							
Deck structure type		Wood or Timber [8]									
Type of wearing surface		Wood or Timber [7]									
Deck protection		Other [9]									
Type of membrane/wearing surface		Other [9]									

## Weight Limits

Bypass, detour length		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating		20.2 metric ton = 22.2 tons	
0.2 km = 0.1 mi		Method to determine operating rating		Load Factor(LF) [1]		Operating rating		33.7 metric ton = 37.1 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load		M 18 / H 20 [4]			

### Functional Details

Average Daily Traffic	200	Average daily truck traffi	4	%	Year	2009	Future average daily traffic	296	Year	2032
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4 m = 13.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	One lane bridge for 2 - way traffic [3]		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	4.05 m = 13.3 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	2000000	Roadway improvement cost	200000
	Length of structure improvement	36.3 m = 119.1 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	Open, no restriction [A]	Appraisal ratings - structural	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Good [7]	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 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	Better than present minimum criteria [7]	Status evaluation	Functionally obsolete [2]
Pier or abutment protection		Sufficiency rating	56.1
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			
Traffic safety features - approach guardrail ends			
Inspection date	August 2010 [0810]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	August 2010 [0810]
Other special inspection	Every two years [Y24]	Other special inspection date	May 2008 [0508]