

# HistoricBridges.org - National Bridge Inventory Data Sheet

2014 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 Jersey [34]	Hunterdon County [019]	Lebanon [39660]	2.5 MI NE NJ RT 31	40-44-18.70 = 40.738528	074-56-28.20 = -74.941167
10XXL93	Highway agency district 2	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 645		Musconecong Riv Rd	Toll On free road [3]	Features intersected MUSCONETCONG RIVER	
Design - main	Masonry [8]	Design - approach		Kilometerpoint 392.7 km = 243.5 mi	
2	Arch - Deck [11]	0	Other [00]	Year built #Num!	Year reconstructed N/A [0000]
				Skew angle 0	Structure Flared
				Historical significance Bridge is not eligible for the NRHP. [5]	
Total length	24.7 m = 81.0 ft	Length of maximum span	11 m = 36.1 ft	Deck width, out-to-out	8.2 m = 26.9 ft
Inventory Route, Total Horizontal Clearance	6 m = 19.7 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	1.2 m = 3.9 ft
Deck structure type	Not applicable [N]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

## Weight Limits

Bypass, detour length	Method to determine inventory rating		Inventory rating	16.3 metric ton = 17.9 tons
0.5 km = 0.3 mi	Method to determine operating rating		Operating rating	32.7 metric ton = 36.0 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	

### Functional Details

Average Daily Traffic	1043	Average daily truck traffi	5	%	Year	2013	Future average daily traffic	1405	Year	2033
Road classification	Minor Collector (Rural) [08]		Lanes on structure	1		Approach roadway width	6.1 m = 20.0 ft			
Type of service on bridge	Highway-pedestrian [5]		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						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]		
Widening of existing bridge with deck rehabilitation or replacement. [34]	Bridge improvement cost	1242000	Roadway improvement cost	60000
	Length of structure improvement	27.4 m = 89.9 ft	Total project cost	1583000
	Year of improvement cost estimate	2013		
	Border bridge - state		Border bridge - percent responsibility of other state	
	Border bridge - structure number			

## Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
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		Sufficiency rating	45.3
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	June 2013 [0613]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	