

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 Jersey [34]		Hunterdon County [019]		Tewksbury [72510]	SOMERSET HUNTERDON BORDER	40-42-54.91 = 40.715253	074-43-13.55 = -74.720431		
1000146	Highway agency district	2	Owner	County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]			
Route	512	COUNTY ROUTE 512	Toll	On free road [3]	Features intersected	LAMINGTON RIVER			
Design - main	Steel [3]	Design - approach		Kilometerpoint	1224.7 km = 759.3 mi				
	1		Girder and floorbeam system [03]	0	Other [00]	Year built	1934	Year reconstructed	1980
				Skew angle	42	Structure Flared			
				Historical significance	Bridge is not eligible for the NRHP. [5]				
Total length	24.7 m = 81.0 ft		Length of maximum span	23.8 m = 78.1 ft		Deck width, out-to-out	9.3 m = 30.5 ft	Bridge roadway width, curb-to-curb	8.4 m = 27.6 ft
Inventory Route, Total Horizontal Clearance	8.4 m = 27.6 ft		Curb or sidewalk width - left	0 m = 0.0 ft		Curb or sidewalk width - right	1.5 m = 4.9 ft		
Deck structure type	Open Grating [3]								
Type of wearing surface									
Deck protection									
Type of membrane/wearing surface									

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	29.9 metric ton = 32.9 tons
0.3 km = 0.2 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	50.8 metric ton = 55.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	

### Functional Details

Average Daily Traffic	3586	Average daily truck traffi	3	%	Year	2013	Future average daily traffic	4375	Year	2033
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	8.2 m = 26.9 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	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]								
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1000	Roadway improvement cost	0						
	Length of structure improvement	24.7 m = 81.0 ft		Total project cost	1000					
	Year of improvement cost estimate									
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrective action [3]
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	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	49.6
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	Inspected feature meets currently acceptable standards. [1]		
Inspection date	July 2013 [0713]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2013 [0713]
Other special inspection	Not needed [N]	Other special inspection date	