

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]	Somerset County [035]	Bernardsville [05590]	EAST OF BRANCH ROAD	40-43-53.40 = 40.731500	074-38-08.16 = -74.635600
18E1401	Highway agency district 2	Owner County Highway Agency [02]	Maintenance responsibility	County Highway Agency [02]	
Route 0	JACKSON ROAD	Toll On free road [3]	Features intersected	N.BRANCH RARITAN RIVER	
Design - main 1	Steel [3] Truss - Thru [10]	Design - approach 0	Other [00]	Kilometerpoint 0 km = 0.0 mi	Year built 1927    Year reconstructed 2008
				Skew angle 29	Structure Flared
				Historical significance Bridge is eligible for the NRHP. [2]	
Total length	18.9 m = 62.0 ft	Length of maximum span	17.4 m = 57.1 ft	Deck width, out-to-out	7.3 m = 24.0 ft
Inventory Route, Total Horizontal Clearance	6.5 m = 21.3 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	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Preformed Fabric [2]				

**Weight Limits**

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	20.9 metric ton = 23.0 tons
0.2 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	34.5 metric ton = 38.0 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

### Functional Details

Average Daily Traffic	330	Average daily truck traffi	0	%	Year	2013	Future average daily traffic	430	Year	2033
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	6.4 m = 21.0 ft			
Type of service on bridge	Highway [1]		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	30.45 m = 99.9 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]								
Other structural work, including hydraulic replacements. [38]	Bridge improvement cost	78000	Roadway improvement cost	0						
	Length of structure improvement	9.1 m = 29.9 ft		Total project cost	178000					
	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	Posted for load [P]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Good [7]	Appraisal ratings - roadway alignment	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Good [7]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
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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]
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Appraisal ratings - water adequacy	Superior to present desirable criteria [9]	Status evaluation	
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Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	61.3
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Culverts	Not applicable. Used if structure is not a culvert. [N]
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Traffic safety features - railings	
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Traffic safety features - transitions	
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Traffic safety features - approach guardrail	
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Traffic safety features - approach guardrail ends	
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Inspection date	October 2013 [1013]	Designated inspection frequency	24	Months
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Underwater inspection	Not needed [N]	Underwater inspection date	
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Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	October 2013 [1013]
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Other special inspection	Not needed [N]	Other special inspection date	
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