

# 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]		Monmouth County [025]		Avon-by-the-Sea [02440]		0.4 MI. NORTH FIFTH AVE.		40-11-13.35 = 40.187042		074-00-36.61 = -74.010169	
1300W43		Highway agency district 2		Owner County Highway Agency [02]		Maintenance responsibility		County Highway Agency [02]			
Route 18		OCEAN AVE(CR 18)		Toll On free road [3]		Features intersected SHARK RIVER					
Design - main Steel [3]		Design - approach Steel [3]		Kilometerpoint 572.9 km = 355.2 mi							
1		Movable - Bascule [16]		4		Girder and floorbeam system [03]		Year built 1936		Year reconstructed 1988	
								Skew angle 0		Structure Flared	
								Historical significance Bridge is not eligible for the NRHP. [5]			
Total length 103.3 m = 338.9 ft		Length of maximum span 34.1 m = 111.9 ft		Deck width, out-to-out 17.4 m = 57.1 ft		Bridge roadway width, curb-to-curb 12.2 m = 40.0 ft					
Inventory Route, Total Horizontal Clearance 12.2 m = 40.0 ft		Curb or sidewalk width - left 2.4 m = 7.9 ft		Curb or sidewalk width - right 2.4 m = 7.9 ft							
Deck structure type		Concrete Cast-in-Place [1]									
Type of wearing surface		Monolithic Concrete (concurrently placed with structural deck) [1]									
Deck protection											
Type of membrane/wearing surface											

## Weight Limits

Bypass, detour length 0.3 km = 0.2 mi		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating 26.3 metric ton = 28.9 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 43.5 metric ton = 47.9 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load			

### Functional Details

Average Daily Traffic	5681	Average daily truck traffi	3	%	Year	2013	Future average daily traffic	6818	Year	2033
Road classification	Collector (Urban) [17]		Lanes on structure	2		Approach roadway width	16.8 m = 55.1 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 control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	4.6 m = 15.1 ft			Navigation horizontal clearance	27.4 m = 89.9 ft					
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

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

0 m = 0.0 ft

Total project cost

Year of improvement cost estimate

Border bridge - state

Border bridge - percent responsibility of other state

Border bridge - structure number

## Inspection and Sufficiency

Structure status	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Fair [5]"/>	Appraisal ratings - deck geometry	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - deck	<input type="text" value="Fair [5]"/>		
Scour	<input type="text" value="Countermeasures have been installed to mitigate an existing problem with scour. [7]"/>		
Channel and channel protection	<input type="text" value="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	<input type="text" value="Superior to present desirable criteria [9]"/>	Status evaluation	<input type="text"/>
Pier or abutment protection	<input type="text" value="In place and functioning [2]"/>	Sufficiency rating	<input type="text" value="68"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text"/>		
Traffic safety features - approach guardrail	<input type="text"/>		
Traffic safety features - approach guardrail ends	<input type="text"/>		
Inspection date	<input type="text" value="June 2013 [0613]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Unknown [Y48]"/>	Underwater inspection date	<input type="text" value="August 2013 [0813]"/>
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="June 2013 [0613]"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>