

# HistoricBridges.org - National Bridge Inventory Data Sheet

2010 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]		Raritan [61920]		0.5 MI EAST JCT W/ NJ 31		40-30-56 = 40.515556		074-50-33 = - 74.842500	
100Q168		Highway agency district 2		Owner County Highway Agency [02]		Maintenance responsibility		County Highway Agency [02]			
Route 0		PENNSYLVANIA AV EX		Toll On free road [3]		Features intersected BLACK RIVER&WESTERN RR					
Design - main Steel [3]		Design - approach		Kilometerpoint 0 km = 0.0 mi							
1		Truss - Thru [10]		0		Other [00]		Year built 1918		Year reconstructed 1965	
						Skew angle 30		Structure Flared			
						Historical significance Bridge is eligible for the NRHP. [2]					
Total length 22.9 m = 75.1 ft		Length of maximum span 22.6 m = 74.2 ft		Deck width, out-to-out 6.3 m = 20.7 ft		Bridge roadway width, curb-to-curb 5.9 m = 19.4 ft					
Inventory Route, Total Horizontal Clearance 5.9 m = 19.4 ft		Curb or sidewalk width - left 0 m = 0.0 ft		Curb or sidewalk width - right 0 m = 0.0 ft							
Deck structure type		Corrugated Steel [6]									
Type of wearing surface		Bituminous [6]									
Deck protection											
Type of membrane/wearing surface		Unknown [8]									

## Weight Limits

Bypass, detour length 0.8 km = 0.5 mi		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating 11.8 metric ton = 13.0 tons	
		Method to determine operating rating		Load Factor(LF) [1]		Operating rating 20 metric ton = 22.0 tons	
Bridge posting 30.0 - 39.9 % below [1]				Design Load			

### Functional Details

Average Daily Traffic	615	Average daily truck traffi	0	%	Year	2009	Future average daily traffic	738	Year	2029
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	7.9 m = 25.9 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	Railroad [2]		Lanes under structure	0		Navigation control	Not applicable, no waterway. [N]			
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	Railroad beneath structure [R]									
Minimum lateral underclearance on right	2 m = 6.6 ft					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	5.64 m = 18.5 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of replacement [2]									

### 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	1122000	Roadway improvement cost	150000
	Length of structure improvement	30 m = 98.4 ft	Total project cost	1413000
	Year of improvement cost estimate	2009		
	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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrective action [3]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		
Scour	Bridge not over waterway. [N]		
Channel and channel protection	Not applicable. [N]		
Appraisal ratings - water adequacy	N/A [N]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	25.4
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	May 2009 [0509]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2009 [0509]
Other special inspection	Every year [Y12]	Other special inspection date	May 2009 [0509]