HistoricBridges.org - National Bridge Inventory Data Sheet

2014 Inventory

The National Bridge Inventory contains data submitted by state transportion 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]	Somerset County [035]	Branchburg [07180]	.6 MI SOUTH OF RTE 22	40-35-25.37 = 40.590381	074-40-56.34 = -74.682317

1861159	Highway agency district: 2	Owner: Other State Agencies [21]	Maintenance responsibility: Other State Agencies [21]		
Route: 0		RIVER ROAD	Toll: On free road [3]	Features intersected: RARITAN VALLEY LINE	

Design - main	Steel [3]	Design - approach	Wood or timber [7]	Kilometerpoint	0 km = 0.0 mi
1	Girder and floorbeam system [03]	2	Stringer/Multi-beam or girder [02]	Year built: 1886	Year reconstructed: 1949
				Skew angle: 20	Structure Flared:
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	24.7 m = 81.0 ft	Length of maximum span	14.3 m = 46.9 ft	Deck width, out-to-out	5 m = 16.4 ft	Bridge roadway width, curb-to-curb	4.2 m = 13.8 ft
Inventory Route, Total Horizontal Clearance	4.2 m = 13.8 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	Wood or Timber [7]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	10.9 metric ton = 12.0 tons	
0.2 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	18.1 metric ton = 19.9 tons	
	Bridge posting	30.0 - 39.9 % below [1]	Design Load	M 9 / H 10 [1]	

Functional Details

Average Daily Traffic	2300	Average daily truck traffi	1 %	Year	2013	Future average daily traffic	2760
Year	2033						
Road classification	Local (Urban) [19]	Lanes on structure	1	Approach roadway width	4.3 m = 14.1 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	0 m = 0.0 ft	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	5.3 m = 17.4 ft	Minimum lateral underclearance on left	0 = N/A				
Minimum Vertical Underclearance	6.58 m = 21.6 ft	Minimum vertical underclearance reference feature	Railroad beneath structure [R]				
Appraisal ratings - underclearances	Somewhat better than minimum adequacy to tolerate being left in place as is [5]						

Repair and Replacement Plans

Type of work to be performed

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	2182000	Roadway improvement cost	546000
Length of structure improvement	32.3 m = 106.0 ft	Total project cost	5457000
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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Serious [3]	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	Fair [5]		
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	11.9
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	March 2013 [0313]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	March 2013 [0313]
Other special inspection	Every year [Y12]	Other special inspection date	March 2013 [0313]