

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]		Hunterdon County [019]		Readington [62250]		0.1 MILE S. OF US 22 JCT		40-37-20.92 = 40.622478		074-47-27.36 = -74.790933	
1060155		Highway agency district		2		Owner		Other State Agencies [21]		Maintenance responsibility	
				MOUNTAIN ROAD		Toll		On free road [3]		Features intersected	
										RARITAN VALLEY LINE	
Design - main		Steel [3]		Design - approach				Kilometerpoint		0 km = 0.0 mi	
1		Truss - Thru [10]		0		Other [00]		Year built		1910	
								Year reconstructed		1978	
								Skew angle		0	
								Structure Flared			
								Historical significance		Bridge is not eligible for the NRHP. [5]	
Total length		32.9 m = 107.9 ft		Length of maximum span		31.7 m = 104.0 ft		Deck width, out-to-out		5.2 m = 17.1 ft	
								Bridge roadway width, curb-to-curb		4.6 m = 15.1 ft	
Inventory Route, Total Horizontal Clearance		4.6 m = 15.1 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				Latex Concrete or similar additive [3]							
Deck protection											
Type of membrane/wearing surface											

Weight Limits

Bypass, detour length		Method to determine inventory rating		Load Factor(LF) [1]		Inventory rating		21.8 metric ton = 24.0 tons	
0.2 km = 0.1 mi		Method to determine operating rating		Load Factor(LF) [1]		Operating rating		36.3 metric ton = 39.9 tons	
Bridge posting		Equal to or above legal loads [5]		Design Load		M 13.5 / H 15 [2]			

Functional Details

Average Daily Traffic	470	Average daily truck traffi	3	%	Year	2013	Future average daily traffic	560	Year	2033
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4.9 m = 16.1 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						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	3.4 m = 11.2 ft					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	5.79 m = 19.0 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	2385000	Roadway improvement cost	596000		
	Length of structure improvement	41.5 m = 136.2 ft	Total project cost	5963000		
	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	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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
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	41.4
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	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	Not needed [N]	Other special inspection date	