

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] Bloomsbury [06370] 0.53 MI South of NJ 173 40-39-00 = 40.650000 075-04-58 = - 75.082778

1050161 Highway agency district 2 Owner Unknown [80] Maintenance responsibility State Highway Agency [01]

Route 579 CHURCH ST (CR 579) Toll On free road [3] Features intersected LEHIGH VALLEY ML (NS)

Design - main Steel [3] Design - approach Steel [3] Kilometerpoint 5907.9 km = 3662.9 mi

1 Truss - Thru [10] 2 Girder and floorbeam system [03] Year built 1910 Year reconstructed 1985

Skew angle 19 Structure Flared

Historical significance Bridge is eligible for the NRHP. [2]

Total length 39.3 m = 128.9 ft Length of maximum span 24.7 m = 81.0 ft Deck width, out-to-out 4.8 m = 15.7 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 Bituminous [6]

Deck protection

Type of membrane/wearing surface

Weight Limits

Bypass, detour length 0.2 km = 0.1 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 24.5 metric ton = 27.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 44.5 metric ton = 49.0 tons

Bridge posting Equal to or above legal loads [5] Design Load

Functional Details

Average Daily Traffic	4224	Average daily truck traffi	3	%	Year	2008	Future average daily traffic	5068	Year	2028
Road classification	Collector (Urban) [17]	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			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 m = 16.4 ft			Minimum lateral underclearance on left	0 = N/A					
Minimum Vertical Underclearance	6.75 m = 22.1 ft		Minimum vertical underclearance reference feature	Railroad beneath structure [R]						
Appraisal ratings - underclearances	Equal to present minimum criteria [6]									

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	1332000	Roadway improvement cost	400000						
	Length of structure improvement	48.5 m = 159.1 ft		Total project cost	2900000					
	Year of improvement cost estimate	2004								
	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

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - superstructure

Fair [5]

Appraisal ratings -
roadway alignment

Basically intolerable requiring high priority of corrective action [3]

Condition ratings - substructure

Poor [4]

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

41.6

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

Inspected feature meets currently acceptable standards. [1]

Inspection date

December 2008 [1208]

Designated inspection frequency

24

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

December 2008 [1208]

Other special inspection

Not needed [N]

Other special inspection date