HistoricBridges.org - National Bridge Inventory Data Sheet

2016 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

Virginia [51]	Albemarle County [003]	Unknown [00000]	0.3FR 663 & 0.4 GREENE CL	38-13-29.59 = 38.224886	078-31-15.04 = -78.520844

645 | Highway agency district: 7 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 603 | | PLUNKETT RD | Toll: On free road [3] | Features intersected: LYNCH RIVER

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	48.3 km = 29.9 mi
1	Truss - Thru [10]	1	Stringer/Multi-beam or girder [02]	Year built: 1917	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is not eligible for the NRHP. [5]

Total length: 25.6 m = 84.0 ft | Length of maximum span: 16.5 m = 54.1 ft | Deck width, out-to-out: 4.3 m = 14.1 ft | Bridge roadway width, curb-to-curb: 4 m = 13.1 ft

Inventory Route, Total Horizontal Clearance: 3.4 m = 11.2 ft | Curb or sidewalk width - left: 0.2 m = 0.7 ft | Curb or sidewalk width - right: 0.2 m = 0.7 ft

Deck structure type: Wood or Timber [8]

Type of wearing surface:

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 1 km = 0.6 mi

Method to determine inventory rating: Load Factor(LF) [1] | Inventory rating: 6.9 metric ton = 7.6 tons

Method to determine operating rating: Load Factor(LF) [1] | Operating rating: 11.6 metric ton = 12.8 tons

Bridge posting: | Design Load:

Functional Details

Average Daily Traffic	340	Average daily truck traffi	0 %	Year	2014	Future average daily traffic	498	Year	2035

Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	5.5 m = 18.0 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	Waterway [5]	Lanes under structure	0	Navigation control	
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	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

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	150000	Roadway improvement cost	30000
Length of structure improvement	24.4 m = 80.1 ft	Total project cost	205000
Year of improvement cost estimate			
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 corrrective action [3]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	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	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	13.5

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	November 2015 [1115]	Designated inspection frequency	6	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Unknown [Y06]	Fracture critical inspection date	November 2015 [1115]
Other special inspection	Not needed [N]	Other special inspection date	