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]	Loudoun County [107]	Unknown [00000]	02.20FR681/00.50TO665	39-13-55.73 = 39.232147	077-35-30.09 = -77.591692

11253	Highway agency district: 9	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]

Route	673	FEATHERBED ROAD	Toll	On free road [3]	Features intersected: CATOCTIN CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	1353.2 km = 839.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1925
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]

Total length	48.5 m = 159.1 ft	Length of maximum span	48.5 m = 159.1 ft	Deck width, out-to-out	3.7 m = 12.1 ft	Bridge roadway width, curb-to-curb	3.4 m = 11.2 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	Bituminous [6]
Deck protection	
Type of membrane/wearing surface	Preformed Fabric [2]

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	5 metric ton = 5.5 tons	
0.9 km = 0.6 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	8.3 metric ton = 9.1 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	57	Average daily truck traffi	0 %	Year	2014	Future average daily traffic	75
Year	2035						
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	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	5.94 m = 19.5 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	1600000	Roadway improvement cost	75000
Length of structure improvement	91.4 m = 299.9 ft	Total project cost	1970000
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	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Good [7]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - deck	Good [7]		

Scour	Bridge foundations determined to be stable for assessed or calculated scour condition. [5]
Channel and channel protection	Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Appraisal ratings - water adequacy	Equal to present minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	21.7

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	Inpected feature meets currently acceptable standards. [1]

Inspection date	February 2015 [0215]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	February 2015 [0215]
Other special inspection	Every two years [Y24]	Other special inspection date	July 2014 [0714]