

# HistoricBridges.org - National Bridge Inventory Data Sheet

2016 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

Virginia [51]	Nelson County [125]	Unknown [00000]	2.30-Rt.655/0.50-Rt.650	37-42-11.15 = 37.703097	078-52-14.28 = -78.870633
12538	Highway agency district: 3	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 653	Wilson Road	Toll On free road [3]	Features intersected	NS Railway	
Design - main	Steel [3]	Design - approach	Wood or timber [7]	Kilometerpoint	350.8 km = 217.5 mi
1	Truss - Thru [10]	2	Stringer/Multi-beam or girder [02]	Year built	1882
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]
Total length	42.1 m = 138.1 ft	Length of maximum span	30.5 m = 100.1 ft	Deck width, out-to-out	4.6 m = 15.1 ft
Inventory Route, Total Horizontal Clearance	4.2 m = 13.8 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	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	16.3 metric ton = 17.9 tons
1 km = 0.6 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	22.7 metric ton = 25.0 tons
Bridge posting		Design Load	M 9 / H 10 [1]	

### Functional Details

Average Daily Traffic	60	Average daily truck traffi	0	%	Year	2014	Future average daily traffic	79	Year	2035
Road classification	Local (Rural) [09]			Lanes on structure	1		Approach roadway width	4.3 m = 14.1 ft		
Type of service on bridge	Highway [1]			Direction of traffic	1 - way traffic [1]		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	5.87 m = 19.3 ft				
Minimum lateral underclearance reference feature	Railroad beneath structure [R]									
Minimum lateral underclearance on right	7.9 m = 25.9 ft					Minimum lateral underclearance on left	0 = N/A			
Minimum Vertical Underclearance	8.31 m = 27.3 ft			Minimum vertical underclearance reference feature	Railroad beneath structure [R]					
Appraisal ratings - underclearances	Superior to present desirable criteria [9]									

### 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	920000	Roadway improvement cost	92000
	Length of structure improvement	52.7 m = 172.9 ft	Total project cost	1380000
	Year of improvement cost estimate	2015		
	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	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Poor [4]		
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	31.8
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	August 2015 [0815]	Designated inspection frequency	12 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	August 2015 [0815]
Other special inspection	Not needed [N]	Other special inspection date	