

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**

Tennessee [47]	Knox County [093]	Knoxville [40000]	1.1 M N OF SR1	35-57-42.30 = 35.961750	083-54-52.08 = -83.914467
47SR1580013	Highway agency district 1	Owner City or Municipal Highway Agency [04]	Maintenance responsibility	City or Municipal Highway Agency [04]	
Route 129	NFA A129	Toll On free road [3]	Features intersected SR 158 & NFA A140		
Design - main Concrete [1]	Design - approach Concrete [1]	Kilometerpoint 14 km = 8.7 mi	Year built 1935	Year reconstructed N/A [0000]	
5	Arch - Deck [11]	2	Tee beam [04]	Skew angle 0	Structure Flared
		Historical significance Historical significance is not determinable at this time. [4]			
Total length 192.3 m = 630.9 ft	Length of maximum span 45.7 m = 149.9 ft	Deck width, out-to-out 11.8 m = 38.7 ft	Bridge roadway width, curb-to-curb 11 m = 36.1 ft		
Inventory Route, Total Horizontal Clearance 10.9 m = 35.8 ft	Curb or sidewalk width - left 1.9 m = 6.2 ft	Curb or sidewalk width - right 2.8 m = 9.2 ft			
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface					

**Weight Limits**

Bypass, detour length 0.6 km = 0.4 mi	Method to determine inventory rating No rating analysis or evaluation perfor	Inventory rating 24.3 metric ton = 26.7 tons
	Method to determine operating rating No rating analysis or evaluation perfor	Operating rating 36 metric ton = 39.6 tons
Bridge posting Equal to or above legal loads [5]	Design Load	

### Functional Details

Average Daily Traffic	3190	Average daily truck traffi	6	%	Year	2013	Future average daily traffic	5104	Year	2033
Road classification	Local (Urban) [19]		Lanes on structure	3	Approach roadway width	11 m = 36.1 ft				
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]									
Type of service under bridge	Highway, with or without ped		Lanes under structure	3	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	Highway beneath structure [H]									
Minimum lateral underclearance on right	1.7 m = 5.6 ft				Minimum lateral underclearance on left	2.4 m = 7.9 ft				
Minimum Vertical Underclearance	7.12 m = 23.4 ft		Minimum vertical underclearance reference feature	Highway beneath structure [H]						
Appraisal ratings - underclearances	Basically intolerable requiring high priority of corrective action [3]									

### Repair and Replacement Plans

Type of work to be performed	Work done by	Work to be done by contract [1]								
Widening of existing bridge or other major structure without deck rehabilitation or replacement [33]	Bridge improvement cost	4026000	Roadway improvement cost	403000						
	Length of structure improvement	192.3 m = 630.9 ft		Total project cost	6040000					
	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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present desirable criteria [8]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Basically intolerable requiring high priority of replacement [2]"/>
Condition ratings - deck	<input type="text" value="Good [7]"/>		
Scour	<input type="text" value="Bridge not over waterway. [N]"/>		
Channel and channel protection	<input type="text" value="Not applicable. [N]"/>		
Appraisal ratings - water adequacy	<input type="text" value="N/A [N]"/>	Status evaluation	<input type="text" value="Functionally obsolete [2]"/>
Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="68.1"/>
Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>		
Traffic safety features - railings	<input type="text"/>		
Traffic safety features - transitions	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Traffic safety features - approach guardrail ends	<input type="text" value="Not applicable or a safety feature is not required. [N]"/>		
Inspection date	<input type="text" value="June 2012 [0612]"/>	Designated inspection frequency	<input type="text" value="24"/> Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>
Fracture critical inspection	<input type="text" value="Not needed [N]"/>	Fracture critical inspection date	<input type="text"/>
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>