

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.  
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**Basic Information**

Tennessee [47]	Knox County [093]	Knoxville [40000]	IN KNOXVILLE	35-57-24.42 = 35.956783	083-54-49.02 = -83.913617
47L37750001	Highway agency district 1	Owner City or Municipal Highway Agency [04]	Maintenance responsibility City or Municipal Highway Agency [04]		
Route 3775	FAU 3775	Toll On free road [3]	Features intersected TENNESSEE RIVER & 2 RTS.		
Design - main 7	Steel continuous [4]	Design - approach 0	Other [00]	Kilometerpoint 41.8 km = 25.9 mi	Year built 1897
				Year reconstructed 2004	Skew angle 0
				Structure Flared	Historical significance Bridge is on the NRHP. [1]
Total length 460.9 m = 1512.2 ft	Length of maximum span 76.8 m = 252.0 ft	Deck width, out-to-out 12.8 m = 42.0 ft	Bridge roadway width, curb-to-curb 9.1 m = 29.9 ft		
Inventory Route, Total Horizontal Clearanc 9.1 m = 29.9 ft	Curb or sidewalk width - left 1.8 m = 5.9 ft	Curb or sidewalk width - right 1.8 m = 5.9 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 0.3 km = 0.2 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	M 13.5 / H 15 [2]	

### Functional Details

Average Daily Traffic	8910	Average daily truck traffi	5	%	Year	2013	Future average daily traffic	14256	Year	2033
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	3		Approach roadway width	9.1 m = 29.9 ft			
Type of service on bridge	Highway-pedestrian [5]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designatio	No parallel structure exists. [N]									
Type of service under bridge	Highway-waterway [6]		Lanes under structure	4		Navigation control	Navigation control on waterway (bridge permit required). [1]			
Navigation vertical clearanc	75.5 m = 247.7 ft			Navigation horizontal clearance	76.5 m = 251.0 ft					
Minimum navigation vertical clearance, vertical lift bridge				Minimum vertical clearance over bridge roadway	6.18 m = 20.3 ft					
Minimum lateral underclearance reference feature	Highway beneath structure [H]									
Minimum lateral underclearance on right	0.5 m = 1.6 ft				Minimum lateral underclearance on left	3 m = 9.8 ft				
Minimum Vertical Underclearance	6.05 m = 19.9 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	9236000	Roadway improvement cost	924000		
	Length of structure improvement	460.9 m = 1512.2 ft		Total project cost	13855000	
	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	Open, no restriction [A]	Appraisal ratings - structural	Equal to present minimum criteria [6]
Condition ratings - superstructure	Satisfactory [6]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Very Good [8]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Very Good [8]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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	Better than present minimum criteria [7]	Status evaluation	
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	67.6
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - transitions	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail	Not applicable or a safety feature is not required. [N]		
Traffic safety features - approach guardrail ends	Not applicable or a safety feature is not required. [N]		
Inspection date	June 2012 [0612]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	August 2009 [0809]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	July 2012 [0712]
Other special inspection	Every year [Y12]	Other special inspection date	June 2012 [0612]