

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]	Marion County [115]	Unknown [00000]	SR-2 OVER TENN. RIVER	35-01-42 = 35.028333	085-33-00 = - 85.550000
58SR0020023	Highway agency district 2	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 41	FAS 2	Toll On free road [3]	Features intersected TENNESSEE RIVER		
Design - main Steel [3]	Design - approach Prestressed concrete [5]	Kilometerpoint 3402.2 km = 2109.4 mi	Year built 1929	Year reconstructed 1966	
4	Truss - Thru [10]	20	Box beam or girders - Multiple [05]	Skew angle 0	Structure Flared
		Historical significance Bridge is possibly eligible for the NRHP. [3]			
Total length 570 m = 1870.2 ft	Length of maximum span 112.5 m = 369.1 ft	Deck width, out-to-out 7.1 m = 23.3 ft	Bridge roadway width, curb-to-curb 6.1 m = 20.0 ft		
Inventory Route, Total Horizontal Clearance 6 m = 19.7 ft	Curb or sidewalk width - left 0 m = 0.0 ft	Curb or sidewalk width - right 0 m = 0.0 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 3.2 km = 2.0 mi	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	20.7 metric ton = 22.8 tons
	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	33.3 metric ton = 36.6 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

### Functional Details

Average Daily Traffic	2600	Average daily truck traffi	7 %	Year	2005	Future average daily traffic	4160	Year	2026
Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	12.8 m = 42.0 ft				
Type of service on bridge	Highway [1]	Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designation	No parallel structure exists. [N]								
Type of service under bridge	Waterway [5]	Lanes under structure	0	Navigation control	Navigation control on waterway (bridge permit required). [1]				
Navigation vertical clearanc	14.9 m = 48.9 ft		Navigation horizontal clearance	106.6 m = 349.8 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft		Minimum vertical clearance over bridge roadway	4.45 m = 14.6 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	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	14405000	Roadway improvement cost	1441000	
	Length of structure improvement	570 m = 1870.2 ft		Total project cost	21608000
	Year of improvement cost estimate	2006			
	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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Fair [5]		
Scour	Bridge foundations determined to be stable for assessed or calculated scour conditions; field review indicates action is required. [4]		
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	Functionally obsolete [2]
Pier or abutment protection	None present but re-evaluation suggested [5]	Sufficiency rating	45.5
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	September 2004 [0904]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	July 2002 [0702]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	September 2004 [0904]
Other special inspection	Not needed [N]	Other special inspection date	