

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]	Fentress County [049]	Unknown [00000]	IN PALL MALL, TENNESSEE	36-32-30 = 36.541667	084-57-42 = - 84.961667
25SR0280003	Highway agency district 2	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 127	FAP 28	Toll On free road [3]	Features intersected	WOLF RIVER	
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	4779.8 km = 2963.5 mi
1	Truss - Thru [10]	2	Tee beam [04]	Year built	1940
				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	30.5 m = 100.1 ft	Deck width, out-to-out	7.6 m = 24.9 ft
Inventory Route, Total Horizontal Clearance	7.3 m = 24.0 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	Monolithic Concrete (concurrently placed with structural deck) [1]				
Deck protection	Epoxy Coated Reinforcing [1]				
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	27 metric ton = 29.7 tons
7.2 km = 4.5 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	43.2 metric ton = 47.5 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	1430	Average daily truck traffi	16	%	Year	2005	Future average daily traffic	2368	Year	2026
Road classification	Principal Arterial - Other (Rural) [02]		Lanes on structure	2		Approach roadway width	8.8 m = 28.9 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 vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft			Minimum vertical clearance over bridge roadway	4.88 m = 16.0 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	730000	Roadway improvement cost	74000						
	Length of structure improvement	58.6 m = 192.3 ft		Total project cost	1096000					
	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

Equal to present minimum criteria [6]

Condition ratings - superstructure

Satisfactory [6]

Appraisal ratings -
roadway alignment

Equal to present desirable criteria [8]

Condition ratings - substructure

Satisfactory [6]

Appraisal ratings -
deck geometry

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - deck

Satisfactory [6]

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

Equal to present minimum criteria [6]

Status evaluation

Pier or abutment protection

Sufficiency rating

64.3

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

June 2004 [0604]

Designated inspection frequency

24

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

June 2004 [0604]

Other special inspection

Not needed [N]

Other special inspection date