

HistoricBridges.org - National Bridge Inventory Data Sheet

2013 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

Tennessee [47]	Hamilton County [065]	Chattanooga [14000]	0.72 MI. W OF SR-153 JCT.	35-04-48.42 = 35.080117	085-13-08.04 = -85.218900
33SR0580013	Highway agency district 2	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 17	FAU 17	Toll On free road [3]	Features intersected	CHICKAMAUGA CREEK	
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	1319.7 km = 818.2 mi
1	Truss - Thru [10]	6	Tee beam [04]	Year built	1929
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Historical significance is not determinable at this time. [4]
Total length	128 m = 420.0 ft	Length of maximum span	49.4 m = 162.1 ft	Deck width, out-to-out	13.2 m = 43.3 ft
Inventory Route, Total Horizontal Clearance	12.2 m = 40.0 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	Bituminous [6]				
Deck protection					
Type of membrane/wearing surface	Preformed Fabric [2]				

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	24.3 metric ton = 26.7 tons
4 km = 2.5 mi	Method to determine operating rating	Allowable Stress(AS) [2]	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	17970	Average daily truck traffi	3	%	Year	2012	Future average daily traffic	28752	Year	2033
Road classification	Other Principal Arterial (Urban) [14]		Lanes on structure	2		Approach roadway width	12.2 m = 40.0 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 vertical clearanc	0 = N/A		Navigation horizontal clearance	0 = N/A						
Minimum navigation vertical clearance, vertical lift bridge						Minimum vertical clearance over bridge roadway	5.01 m = 16.4 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]		
Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]	Bridge improvement cost	3416000	Roadway improvement cost	342000
	Length of structure improvement	128 m = 420.0 ft	Total project cost	5125000
	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	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
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 being eroded. River control devices and/or embankment have major damage. Trees and rush restrict the channel. [5]		
Appraisal ratings - water adequacy	Equal to present desirable criteria [8]	Status evaluation	
Pier or abutment protection		Sufficiency rating	70.5
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends			
Inspection date	April 2011 [0411]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	October 2012 [1012]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2011 [0411]
Other special inspection	Not needed [N]	Other special inspection date	