The National Bridge Inventory contains data submitted by state transportion 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 Informatio	n						35-03-18 =	085-18-36 = -
Tennessee [47]	Hamilton County [on County [065] Chattanooga [14000]			MARKET STREET BRIDGE			85.310000
33SR0080007 Highway agency district 2			Owner State Highway	Owner State Highway Agency [01] Maintenance responsibility			State Highway Ag	ency [01]
Route 27 FAU 8 Toll				free road [3] Features intersected TN RIVER & FAU 5395				
Design - Steel [: main	le - Bascule [16]	approach	crete [1] n - Deck [11]	Kilometerpoin Year built Skew angle Historical sign	917 Year red 0 Structure F	constructed N/A	[0000] for the NRHP. [3]	
Total length 577.6 m = 1895.1 ft Length of maximum span 109.4 m = 358.9 ft Deck width, out-to-out 15.6 m = 51.2 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 1.8 m = 5.9 ft Curb or sidewalk width - right Deck structure type Concrete Cast-in-Place [1]								
Type of wearing s Deck protection Type of membran	urface e/wearing surface	Bituminous [6]						
Weight Limits Bypass, detour length 0.8 km = 0.5 mi Method to determine inventory rating Method to determine operating rating Bridge posting Equal to or above leading to the second control of		g Allowable Stress(AS		Inventory rating Operating rating Design Load M	24.3 metric ton = 36 metric ton = 3.5 / H 15 [2]			

Functional Details									
Average Daily Traffic 20680 Average daily tr	ıck traffi 5 % Year 2005 Future average daily traffic 32640 Year 2026								
Road classification Minor Arterial (Urban) [16]	Lanes on structure 4 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	e exists. [N]								
Type of service under bridge Highway-waterway [6]	Lanes under structure 2 Navigation control Navigation control on waterway (bridge permit required). [1]								
Navigation vertical clearanc 30 m = 98.4 ft	Navigation horizontal clearance 89.9 m = 295.0 ft								
Minimum navigation vertical clearance, vertical lift bridge 17.3 m = 56.8 ft Minimum vertical clearance over bridge roadway 5 m = 16.4 ft									
Minimum lateral underclearance reference feature Highway beneath structure [H]									
Minimum lateral underclearance on right 0 = N/A Minimum lateral underclearance on left 0 = N/A									
Minimum Vertical Underclearance 6.58 m = 21.6 ft Minimum vertical underclearance reference feature Highway beneath structure [H]									
Appraisal ratings - underclearances Basically intolerable requiring high priority of replacement [2]									
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 improvement cost 24634000 Roadway improvement cost 2464000								
bridge roadway geometry. [31]	Length of structure improvement 577.6 m = 1895.1 ft Total project cost 36952000								
	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 res	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]								
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to pre	ria [6]						
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically in	igh priority of replacement [2]						
Condition ratings - deck	Poor [4]									
Scour	, and the second	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]								
Channel and channel protection	Bank is beginning to slump. minor stream bed movement	Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly. [6]								
Appraisal ratings - water adequac	Better than present minimum	Better than present minimum criteria [7]			Structurally deficient [1]					
Pier or abutment protection	None present but re-evaluati	None present but re-evaluation suggested [5]			24.5					
Culverts Not applicable. Used	if structure is not a culvert. [N]									
Traffic safety features - railings										
Traffic safety features - transition	ns									
Traffic safety features - approach	n guardrail									
Traffic safety features - approach guardrail ends										
Inspection date April 2005 [0405] Designated inspection frequency 24 Months										
Underwater inspection	Unknown [Y60]	Underwater inspection date		May 2001 [0501						
Fracture critical inspection	Every two years [Y24]	Fracture critical in:	spection date	April 2005 [040	5]					
Other special inspection	Not needed [N]	[N] Other special inspection date								