

HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventor

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

South Carolina [45]	Horry County [051]	Unknown [00000]	10.5MI S OF CONWAY	33-41-15.00 = 33.687500	079-00-17.00 = -79.004722
687	Highway agency district	5	Owner	State Highway Agency [01]	Maintenance responsibility
State Highway Agency [01]					
Route	616		S-26-616	Toll	On free road [3]
Features intersected	INTERCOASTAL WATERWAY				
Design - main	Steel [3]	Design - approach	Concrete [1]	Kilometerpoint	100 km = 62.0 mi
1	Movable - Swing [17]	2	Tee beam [04]	Year built	1935
				Year reconstructed	#Num!
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is on the NRHP. [1]
Total length	90.5 m = 296.9 ft	Length of maximum span	66.1 m = 216.9 ft	Deck width, out-to-out	8.5 m = 27.9 ft
Bridge roadway width, curb-to-curb	7.4 m = 24.3 ft	Inventory Route, Total Horizontal Clearance	7.4 m = 24.3 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	Unknown [8]				
Type of membrane/wearing surface	Unknown [8]				

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	18 metric ton = 19.8 tons
0.2 km = 0.1 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	30.6 metric ton = 33.7 tons
Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]	

Functional Details

Average Daily Traffic	17600	Average daily truck traffi	2	%	Year	2011	Future average daily traffic	19712	Year	2031
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	11 m = 36.1 ft			
Type of service on bridge	Highway [1]		Direction of traffic	2 - way traffic [2]		Bridge median				
Parallel structure designatio	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	4.3 m = 14.1 ft		Navigation horizontal clearance	24.4 m = 80.1 ft						
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	4.57 m = 15.0 ft				
Minimum lateral underclearance reference feature	Feature not a highway or railroad [N]									
Minimum lateral underclearance on right	99.9 = Unlimited					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	1284000	Roadway improvement cost	321000
	Length of structure improvement	101.5 m = 333.0 ft	Total project cost	1926000
	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	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Poor [4]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Poor [4]	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 condition. [5]		
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 desirable criteria [8]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	In place but in a deteriorated condition [3]	Sufficiency rating	28.3
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	August 2012 [0812]	Designated inspection frequency	12 Months
Underwater inspection	Unknown [Y60]	Underwater inspection date	June 2008 [0608]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2011 [0511]
Other special inspection	Unknown [N00]	Other special inspection date	