

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

Florida [12]	Duval County [031]	Jacksonville [35000]	SR-105 OVER SISTERS CREEK	30-23-37.82 = 30.393839	081-27-35.11 = -81.459753
720061	Highway agency district 2	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 105	SR-105	Toll On free road [3]	Features intersected	SISTERS CREEK	
Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	2093.9 km = 1298.2 mi
1	Movable - Bascule [16]	12	Stringer/Multi-beam or girder [02]	Year built	1952
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is not eligible for the NRHP. [5]
Total length	230.4 m = 755.9 ft	Length of maximum span	40.8 m = 133.9 ft	Deck width, out-to-out	11.2 m = 36.7 ft
				Bridge roadway width, curb-to-curb	8.5 m = 27.9 ft
Inventory Route, Total Horizontal Clearance	8.5 m = 27.9 ft	Curb or sidewalk width - left	1 m = 3.3 ft	Curb or sidewalk width - right	1 m = 3.3 ft
Deck structure type	Concrete Cast-in-Place [1]				
Type of wearing surface					
Deck protection					
Type of membrane/wearing surface					

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	22.2 metric ton = 24.4 tons
0 km = 0.0 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	37.2 metric ton = 40.9 tons
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	6500	Average daily truck traffi	15	%	Year	2011	Future average daily traffic	11278	Year	2033
Road classification	Minor Arterial (Urban) [16]		Lanes on structure	2		Approach roadway width	9.5 m = 31.2 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	7.3 m = 24.0 ft			Navigation horizontal clearance	27.4 m = 89.9 ft					
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	5.46 m = 17.9 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	28154000	Roadway improvement cost	860000						
	Length of structure improvement	1045.5 m = 3430.3 ft			Total project cost	30000000				
	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	Fair [5]	Appraisal ratings - roadway alignment	Better than present minimum criteria [7]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]		
Channel and channel protection	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 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	45.4
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail	Inspected feature meets currently acceptable standards. [1]		
Traffic safety features - approach guardrail ends	Inspected feature meets currently acceptable standards. [1]		
Inspection date	April 2011 [0411]	Designated inspection frequency	24 Months
Underwater inspection	Every two years [Y24]	Underwater inspection date	April 2011 [0411]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2011 [0411]
Other special inspection	Unknown [Y06]	Other special inspection date	October 2012 [1012]