HistoricBridges.org - National Bridge Inventory Data Sheet

2019 Inventory

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 Information

Florida [12]	Hardee County [049]	Unknown [00000]	1.6 MI W OF US-17	27-38-11.80 = 27.636611	081-50-58.20 = -81.849500

60034 | Highway agency district: 1 | Owner: County Highway Agency [02] | Maintenance responsibility: County Highway Agency [02]

Route: 664 | | CR-664 | Toll: On free road [3] | Features intersected: LITTLE PAYNE CREEK

Design - main	Concrete [1]	Design - approach		Kilometerpoint	1040.9 km = 645.4 mi
3	Arch - Deck [11]	0	Other [00]	Year built	1915
				Year reconstructed	N/A [0000]
				Skew angle	0
				Structure Flared	
				Historical significance	Bridge is possibly eligible for the NRHP. [3]

Total length	29.3 m = 96.1 ft	Length of maximum span	9.8 m = 32.2 ft	Deck width, out-to-out	5.3 m = 17.4 ft	Bridge roadway width, curb-to-curb	4.9 m = 16.1 ft
Inventory Route, Total Horizontal Clearance	4.9 m = 16.1 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Not applicable [N]
Type of wearing surface	Not applicable (applies only to structures with no deck) [N]
Deck protection	Not applicable (applies only to structures with no deck) [N]
Type of membrane/wearing surface	Not applicable (applies only to structures with no deck) [N]

Weight Limits

Bypass, detour length	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating	33 metric ton = 36.3 tons	
0.1 km = 0.1 mi	Method to determine operating rating	Load Factor(LF) [1]	Operating rating	55.2 metric ton = 60.7 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load		

Functional Details

Average Daily Traffic	500	Average daily truck traffi	5 %	Year	2016	Future average daily traffic	868
Year	2038						

Road classification	Major Collector (Rural) [07]	Lanes on structure	1	Approach roadway width	5.1 m = 16.7 ft
Type of service on bridge	Highway [1]	Direction of traffic	One lane bridge for 2 - way traffic [3]	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	99.99 m = 328.1 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

Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	402000	Roadway improvement cost	33000
Length of structure improvement	29.3 m = 96.1 ft	Total project cost	435000
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	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Not Applicable [N]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
Channel and channel protection	Bank and embankment protection is severely undermined. River control devices have severe damage. Large deposits of debris are in the channel. [4]

Appraisal ratings - water adequacy	Better than present minimum criteria [7]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	60.5

Culverts	Not applicable. Used if structure is not a culvert. [N]

Traffic safety features - railings	
Traffic safety features - transitions	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail	Inpected feature meets currently acceptable standards. [1]
Traffic safety features - approach guardrail ends	Inpected feature meets currently acceptable standards. [1]

Inspection date	February 2018 [0218]	Designated inspection frequency	24	Months

Underwater inspection	Every year [Y12]	Underwater inspection date	July 2018 [0718]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	August 2018 [0818]