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

West Virginia [54]	Kanawha County [039]	Unknown [00000]	0.05 MI N OF CR 43	38-27-46.30 = 38.462861	081-30-00.43 = -81.500119

00000000020A094 | Highway agency district: 1 | Owner: State Highway Agency [01] | Maintenance responsibility: State Highway Agency [01]

Route: 39 | CR 39 | Toll: On free road [3] | Features intersected: LITTLE SANDY CREEK

Design - main	Steel [3]	Design - approach		Kilometerpoint	8 km = 5.0 mi
1	Truss - Thru [10]	0	Other [00]	Year built	1928
				Year reconstructed	1997
				Skew angle	0
				Structure Flared	
				Historical significance	Historical significance is not determinable at this time. [4]

Total length	38 m = 124.7 ft	Length of maximum span	36.6 m = 120.1 ft	Deck width, out-to-out	5.2 m = 17.1 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: Concrete Cast-in-Place [1]

Type of wearing surface: Bituminous [6]

Deck protection:

Type of membrane/wearing surface:

Weight Limits

Bypass, detour length: 0 km = 0.0 mi

Method to determine inventory rating: Load Factor(LF) [1]

Method to determine operating rating: Load Factor(LF) [1]

Bridge posting: 20.0 - 29.9 % below [2]

Inventory rating: 13.6 metric ton = 15.0 tons

Operating rating: 23.6 metric ton = 26.0 tons

Design Load:

Functional Details

Average Daily Traffic	1285	Average daily truck traffi	8 %	Year	2015	Future average daily traffic	1568	Year	2035

Road classification	Major Collector (Rural) [07]	Lanes on structure	2	Approach roadway width	4.9 m = 16.1 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	4.12 m = 13.5 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

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	1000000	Roadway improvement cost	200000
Length of structure improvement	39.6 m = 129.9 ft	Total project cost	1200000
Year of improvement cost estimate	2015		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number			

Inspection and Sufficiency

Structure status	Posted for load [P]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Poor [4]		

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 minimum criteria [6]	Status evaluation	Structurally deficient [1]
Pier or abutment protection		Sufficiency rating	37.5

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	

Inspection date	April 2017 [0417]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	April 2017 [0417]
Other special inspection	Not needed [N]	Other special inspection date	