HistoricBridges.org - National Bridge Inventory Data Sheet

2014 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

Maryland [24]	Baltimore County [005]	Unknown [00000]	0.3 MI S WESTERN RUN RD	39-31-34.63 = 39.526286	076-42-56.11 = -76.715586

200000B-0029010	Highway agency district: 4	Owner: County Highway Agency [02]	Maintenance responsibility: County Highway Agency [02]		
Route: 194		CUBA ROAD	Toll: On free road [3]	Features intersected: WESTERN RUN	

Design - main	Aluminum, Wrought Iron or Cast Iron [9]	Design - approach		Kilometerpoint	67.6 km = 41.9 mi
1	Truss - Thru [10]	0	Other [00]	Year built: 1893	Year reconstructed: 2011
				Skew angle: 0	Structure Flared:
				Historical significance	Bridge is eligible for the NRHP. [2]

Total length	35.4 m = 116.1 ft	Length of maximum span	34.1 m = 111.9 ft	Deck width, out-to-out	4.7 m = 15.4 ft	Bridge roadway width, curb-to-curb	4.3 m = 14.1 ft
Inventory Route, Total Horizontal Clearance	4.4 m = 14.4 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	0 m = 0.0 ft		

Deck structure type	Wood or Timber [8]
Type of wearing surface	
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	14.5 metric ton = 16.0 tons	
0.3 km = 0.2 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	20 metric ton = 22.0 tons	
	Bridge posting		Design Load		

Functional Details

Average Daily Traffic	3082	Average daily truck traffi	5 %	Year	2013	Future average daily traffic	2900
Year	2035						
Road classification	Local (Rural) [09]	Lanes on structure	1	Approach roadway width	4.6 m = 15.1 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		Minimum vertical clearance over bridge roadway	4.27 m = 14.0 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

Bridge improvement cost

Roadway improvement cost

Length of structure improvement

Total project cost

Year of improvement cost estimate

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 - superstructur	Fair [5]	Appraisal ratings - roadway alignment	Basically intolerable requiring high priority of corrrective action [3]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

Scour	Bridge is scour critical; bridge foundations determined to be unstable. [3]
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	
Pier or abutment protection		Sufficiency rating	38.9

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	
Traffic safety features - approach guardrail ends	

Inspection date	May 2013 [0513]	Designated inspection frequency	12	Months

Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Every year [Y12]	Fracture critical inspection date	May 2013 [0513]
Other special inspection	Not needed [N]	Other special inspection date	