HistoricBridges.org - National Bridge Inventory Data Sheet

2018 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

Rhode Island [44]	Providence County [007]	Central Falls [14140]	0.5 Mi S of JCT RI 123	41-53-57.59 = 41.899331	071-23-24.35 = -71.390097

3050	Highway agency district: 3	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 114		RI 114 BROAD ST	Toll: On free road [3]	Features intersected: BLACKSTONE RIVER	

Design - main: 3	Concrete [1] Arch - Deck [11]	Design - approach: 0	Other [00]	Kilometerpoint: 5253.6 km = 3257.2 mi	
				Year built: 1915	Year reconstructed: N/A [0000]
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 65.5 m = 214.9 ft	Length of maximum span: 20.3 m = 66.6 ft	Deck width, out-to-out: 18.7 m = 61.4 ft	Bridge roadway width, curb-to-curb: 12.8 m = 42.0 ft
Inventory Route, Total Horizontal Clearance: 12.8 m = 42.0 ft	Curb or sidewalk width - left: 2.4 m = 7.9 ft	Curb or sidewalk width - right: 2.4 m = 7.9 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: 0.3 km = 0.2 mi	Method to determine inventory rating: Load and Resistance Factor Rating (L	Inventory rating: 34.3 metric ton = 37.7 tons			
	Method to determine operating rating: Load and Resistance Factor Rating (L	Operating rating: 44.4 metric ton = 48.8 tons			
	Bridge posting: Equal to or above legal loads [5]	Design Load: MS 18 / HS 20 [5]			

Functional Details

Average Daily Traffic	14500	Average daily truck traffi	1 %	Year	2015	Future average daily traffic	17400
Year	2036						
Road classification	Other Principal Arterial (Urban) [14]	Lanes on structure	2	Approach roadway width	12.8 m = 42.0 ft		
Type of service on bridge	Highway-pedestrian [5]	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	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

Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Work done by	Work to be done by contract [1]		
Bridge improvement cost	0	Roadway improvement cost	0
Length of structure improvement	68.6 m = 225.1 ft	Total project cost	3939000
Year of improvement cost estimate			
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	Better than present minimum criteria [7]
Condition ratings - substructure	Satisfactory [6]	Appraisal ratings - deck geometry	Somewhat better than minimum adequacy to tolerate being left in place as is [5]
Condition ratings - deck	Not Applicable [N]		

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		Sufficiency rating	67

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

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

Inspection date	March 2016 [0316]	Designated inspection frequency	24 Months
Underwater inspection	Unknown [Y48]	Underwater inspection date	June 2014 [0614]
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Every year [Y12]	Other special inspection date	March 2017 [0317]