HistoricBridges.org - National Bridge Inventory Data Sheet

2011 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

Maine [23]	Knox County [013]	Thomaston [76365]	.8 MI N TOWNLINE	44-09-31 = 44.158611	069-11-28 = -69.191111

2904	Highway agency district	2	Owner	State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route	0		RIVER RD	Toll	On free road [3]	Features intersected	ST.GEORGE RIVER

Design - main	Steel [3]	Design - approach	Steel [3]	Kilometerpoint	1844.3 km = 1143.5 mi		
2	Truss - Thru [10]	1	Truss - Thru [10]	Year built	1925	Year reconstructed	1991
				Skew angle	0	Structure Flared	
				Historical significance	Bridge is eligible for the NRHP. [2]		

Total length	70.4 m = 231.0 ft	Length of maximum span	30.5 m = 100.1 ft	Deck width, out-to-out	6.4 m = 21.0 ft	Bridge roadway width, curb-to-curb	6.1 m = 20.0 ft
Inventory Route, Total Horizontal Clearance	6.4 m = 21.0 ft	Curb or sidewalk width - left	0 m = 0.0 ft	Curb or sidewalk width - right	1.8 m = 5.9 ft		

Deck structure type	Concrete Cast-in-Place [1]
Type of wearing surface	Monolithic Concrete (concurrently placed with structural deck) [1]
Deck protection	
Type of membrane/wearing surface	

Weight Limits

Bypass, detour length	Method to determine inventory rating	Allowable Stress(AS) [2]	Inventory rating	21.8 metric ton = 24.0 tons	
0.1 km = 0.1 mi	Method to determine operating rating	Allowable Stress(AS) [2]	Operating rating	29 metric ton = 31.9 tons	
	Bridge posting	Equal to or above legal loads [5]	Design Load	M 18 / H 20 [4]	

Functional Details

Average Daily Traffic	3710	Average daily truck traffi	8 %	Year	2010	Future average daily traffic	5194
Year	2030						
Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	8.5 m = 27.9 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	1.5 m = 4.9 ft	Navigation horizontal clearance	12.8 m = 42.0 ft				
Minimum navigation vertical clearance, vertical lift bridge	0 m = 0.0 ft	Minimum vertical clearance over bridge roadway	4.11 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	99.9 = Unlimited				
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	2377000	Roadway improvement cost	238000
Length of structure improvement	72.8 m = 238.9 ft	Total project cost	3566000
Year of improvement cost estimate	2004		
Border bridge - state		Border bridge - percent responsibility of other state	
Border bridge - structure number	n/a		

Inspection and Sufficiency

Structure status	Posted for other load-capacity restriction [R]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	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	Satisfactory [6]		
Scour	Bridge over "tidal" waters that has not been evaluated for scour, but considered low risk. [T]		
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	Superior to present desirable criteria [9]	Status evaluation	Structurally deficient [1]
Pier or abutment protection	Navigation protection not required [1]	Sufficiency rating	39.2
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
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	September 2010 [0910]	Designated inspection frequency	24	Months	
Underwater inspection	Unknown [Y60]	Underwater inspection date	March 2007 [0307]		
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date			
Other special inspection	Not needed [N]	Other special inspection date			