

HistoricBridges.org - National Bridge Inventory Data Sheet

2011 Inventory

The National Bridge Inventory contains data submitted by state transportation 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]	Androscoggin County [001]	Lewiston [38740]	400 FT W RTE #196	44-05-38 = 44.093889	070-13-01 = - 70.216944
5003	Highway agency district 1	Owner State Highway Agency [01]	Maintenance responsibility	State Highway Agency [01]	
Route 0	CHESTNUT ST.	Toll On free road [3]	Features intersected MAIN CANAL		
Design - main 1	Concrete [1] Arch - Thru [12]	Design - approach 0	Other [00]	Kilometerpoint 14.5 km = 9.0 mi	Year built 1927
				Year reconstructed N/A [0000]	Skew angle 0
				Structure Flared	Historical significance Bridge is eligible for the NRHP. [2]
Total length 22.6 m = 74.2 ft	Length of maximum span 19.5 m = 64.0 ft	Deck width, out-to-out 7.6 m = 24.9 ft	Bridge roadway width, curb-to-curb 7.3 m = 24.0 ft		
Inventory Route, Total Horizontal Clearance 7.3 m = 24.0 ft	Curb or sidewalk width - left 1.6 m = 5.2 ft	Curb or sidewalk width - right 1.6 m = 5.2 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 0 km = 0.0 mi	Method to determine inventory rating	Load Factor(LF) [1]	Inventory rating 9.2 metric ton = 10.1 tons
	Method to determine operating rating	Load Factor(LF) [1]	Operating rating 14.6 metric ton = 16.1 tons
Bridge posting 20.0 - 29.9 % below [2]	Design Load MS 22.5 / HS 25 [9]		

Functional Details

Average Daily Traffic	4331	Average daily truck traffi	5	%	Year	2010	Future average daily traffic	6063	Year	2030
Road classification	Local (Urban) [19]		Lanes on structure	2		Approach roadway width	7.3 m = 24.0 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	0 m = 0.0 ft					Minimum vertical clearance over bridge roadway	3.87 m = 12.7 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	Work done by	Work to be done by contract [1]		
Replacement of bridge or other structure because of substandard load carrying capacity or substantial bridge roadway geometry. [31]	Bridge improvement cost	1028000	Roadway improvement cost	103000
	Length of structure improvement	24.4 m = 80.1 ft	Total project cost	1542000
	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	Basically intolerable requiring high priority of replacement [2]
Condition ratings - superstructure	Fair [5]	Appraisal ratings - roadway alignment	Equal to present desirable criteria [8]
Condition ratings - substructure	Fair [5]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Satisfactory [6]		
Scour	Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]		
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		Sufficiency rating	28.6
Culverts	Not applicable. Used if structure is not a culvert. [N]		
Traffic safety features - railings			
Traffic safety features - transitions			
Traffic safety features - approach guardrail			
Traffic safety features - approach guardrail ends			
Inspection date	January 2011 [0111]	Designated inspection frequency	24 Months
Underwater inspection	Not needed [N]	Underwater inspection date	
Fracture critical inspection	Not needed [N]	Fracture critical inspection date	
Other special inspection	Not needed [N]	Other special inspection date	