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]	York County [031]	Hollis [33665]	0.1 MI W OF BUXTON	43-36-44 = 43.612222	070-33-11 = -70.553056

1525	Highway agency district 1	Owner: State Highway Agency [01]	Maintenance responsibility: State Highway Agency [01]		
Route: 4		ROUTE 4A	Toll: On free road [3]	Features intersected: CANAL	

Design - main: Steel [3]		Design - approach:		Kilometerpoint: 1462.9 km = 907.0 mi	
1	Truss - Thru [10]	0	Other [00]	Year built: 1937	Year reconstructed: 1987
				Skew angle: 0	Structure Flared:
				Historical significance: Bridge is eligible for the NRHP. [2]	

Total length: 42.4 m = 139.1 ft	Length of maximum span: 41.1 m = 134.8 ft	Deck width, out-to-out: 7 m = 23.0 ft	Bridge roadway width, curb-to-curb: 6.7 m = 22.0 ft				
Inventory Route, Total Horizontal Clearance: 6.7 m = 22.0 ft	Curb or sidewalk width - left: 1.5 m = 4.9 ft	Curb or sidewalk width - right: 0.2 m = 0.7 ft					
Deck structure type: Concrete Cast-in-Place [1]							
Type of wearing surface: Bituminous [6]							
Deck protection:							
Type of membrane/wearing surface: Preformed Fabric [2]							

Weight Limits

Bypass, detour length: 0.9 km = 0.6 mi	Method to determine inventory rating: Allowable Stress(AS) [2]		Inventory rating: 30.8 metric ton = 33.9 tons		
	Method to determine operating rating: Allowable Stress(AS) [2]		Operating rating: 52.6 metric ton = 57.9 tons		
	Bridge posting: Equal to or above legal loads [5]		Design Load: M 18 / H 20 [4]		

Functional Details

Average Daily Traffic	3850	Average daily truck traffi	8 %	Year	2010	Future average daily traffic	5390
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-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	4.56 m = 15.0 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	1588000	Roadway improvement cost	159000
Length of structure improvement	44.5 m = 146.0 ft	Total project cost	2382000
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	Open, no restriction [A]	Appraisal ratings - structural	Meets minimum tolerable limits to be left in place as is [4]
Condition ratings - superstructur	Poor [4]	Appraisal ratings - roadway alignment	Equal to present minimum criteria [6]
Condition ratings - substructure	Poor [4]	Appraisal ratings - deck geometry	Basically intolerable requiring high priority of replacement [2]
Condition ratings - deck	Good [7]		

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	49.7

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	November 2010 [1110]	Designated inspection frequency	24	Months

Underwater inspection	Unknown [Y60]	Underwater inspection date	June 2004 [0604]
Fracture critical inspection	Every two years [Y24]	Fracture critical inspection date	May 2003 [0503]
Other special inspection	Not needed [N]	Other special inspection date	