

The National Bridge Inventory contains data submitted by state transportation departments to the Federal Highway Administration in coded format.
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Basic Information	
Maine [23]	Cumberland County [005]
Harrison [31600]	0.4 MI E OF JCT UPTON RD
44-08-34 = 44.142778	070-35-41 = - 70.594722
0238 Highway agency district	1 Owner State Highway Agency [01]
Maintenance responsibility State Highway Agency [01]	
Route 0	RYEFIELD BRIDGE RD
Toll On free road [3]	Features intersected CROOKED RIVER
Design - main Steel [3]	Design - approach
1 Truss - Thru [10]	0 Other [00]
Kilometerpoint 117.5 km = 72.8 mi	Year built 1912
Year reconstructed 2002	Skew angle 0
Structure Flared	Historical significance Bridge is on the NRHP. [1]
Total length 29.9 m = 98.1 ft	Length of maximum span 29.6 m = 97.1 ft
Deck width, out-to-out 5 m = 16.4 ft	Bridge roadway width, curb-to-curb 5 m = 16.4 ft
Inventory Route, Total Horizontal Clearance 4.6 m = 15.1 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 Wood or Timber [7]	
Deck protection	
Type of membrane/wearing surface	

Weight Limits	
Bypass, detour length 0.2 km = 0.1 mi	Method to determine inventory rating Allowable Stress(AS) [2]
Inventory rating 24.5 metric ton = 27.0 tons	
Method to determine operating rating Allowable Stress(AS) [2]	Operating rating 34.3 metric ton = 37.7 tons
Bridge posting Equal to or above legal loads [5]	Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	100	Average daily truck traffi	5	%	Year	2010	Future average daily traffic	150	Year	2030
Road classification	Local (Rural) [09]		Lanes on structure	1		Approach roadway width	4.3 m = 14.1 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	0 m = 0.0 ft				Minimum vertical clearance over bridge roadway	3.56 m = 11.7 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	1232000	Roadway improvement cost	123000						
	Length of structure improvement	31.7 m = 104.0 ft		Total project cost	1848000					
	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 load [P]

Appraisal ratings -
structural

Equal to present minimum criteria [6]

Condition ratings - superstructure

Good [7]

Appraisal ratings -
roadway alignment

Meets minimum tolerable limits to be left in place as is [4]

Condition ratings - substructure

Good [7]

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

Better than present minimum criteria [7]

Status evaluation

Pier or abutment protection

Sufficiency rating

73.5

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

July 2010 [0710]

Designated inspection frequency

24

Months

Underwater inspection

Not needed [N]

Underwater inspection date

Fracture critical inspection

Every two years [Y24]

Fracture critical inspection date

September 2003 [0903]

Other special inspection

Not needed [N]

Other special inspection date