

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] Cumberland County [005] Naples [48085] TOWNLINE 43-55-58 = 43.932778 070-34-27 = - 70.574167

3499 Highway agency district 1 Owner State Highway Agency [01] Maintenance responsibility State Highway Agency [01]

Route 0 SA 9 Toll On free road [3] Features intersected CROOKED RIVER

Design - main Steel [3] Design - approach Other [00] Kilometerpoint 416.8 km = 258.4 mi

1 Truss - Thru [10] 0 Other [00] Year built 1937 Year reconstructed N/A [0000]

Skew angle 0 Structure Flared

Historical significance Bridge is not eligible for the NRHP. [5]

Total length 37.5 m = 123.0 ft Length of maximum span 36 m = 118.1 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 0.2 m = 0.7 ft Curb or sidewalk width - right 0.2 m = 0.7 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 0.9 km = 0.6 mi Method to determine inventory rating Allowable Stress(AS) [2] Inventory rating 20 metric ton = 22.0 tons

Method to determine operating rating Allowable Stress(AS) [2] Operating rating 33.6 metric ton = 37.0 tons

Bridge posting Equal to or above legal loads [5] Design Load M 13.5 / H 15 [2]

Functional Details

Average Daily Traffic	1000	Average daily truck traffi	8 %	Year	2010	Future average daily traffic	1500	Year	2030
Road classification	Minor Collector (Rural) [08]	Lanes on structure	2	Approach roadway width	8.8 m = 28.9 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 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	99.9 m = 327.8 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	1452000	Roadway improvement cost	145000			
	Length of structure improvement	39.6 m = 129.9 ft		Total project cost	2178000		
	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	<input type="text" value="Open, no restriction [A]"/>	Appraisal ratings - structural	<input type="text" value="Somewhat better than minimum adequacy to tolerate being left in place as is [5]"/>
Condition ratings - superstructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - roadway alignment	<input type="text" value="Equal to present minimum criteria [6]"/>
Condition ratings - substructure	<input type="text" value="Satisfactory [6]"/>	Appraisal ratings - deck geometry	<input type="text" value="Meets minimum tolerable limits to be left in place as is [4]"/>
Condition ratings - deck	<input type="text" value="Satisfactory [6]"/>		

Scour	<input type="text" value="Bridge foundations determined to be stable for the assessed or calculated scour condition. [8]"/>
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Channel and channel protection	<input type="text" value="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]"/>
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Appraisal ratings - water adequacy	<input type="text" value="Equal to present desirable criteria [8]"/>	Status evaluation	<input type="text"/>
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Pier or abutment protection	<input type="text"/>	Sufficiency rating	<input type="text" value="59.1"/>
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Culverts	<input type="text" value="Not applicable. Used if structure is not a culvert. [N]"/>
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Traffic safety features - railings	<input type="text"/>
Traffic safety features - transitions	<input type="text"/>
Traffic safety features - approach guardrail	<input type="text"/>
Traffic safety features - approach guardrail ends	<input type="text"/>

Inspection date	<input type="text" value="September 2010 [0910]"/>	Designated inspection frequency	<input type="text" value="24"/>	Months
Underwater inspection	<input type="text" value="Not needed [N]"/>	Underwater inspection date	<input type="text"/>	
Fracture critical inspection	<input type="text" value="Every two years [Y24]"/>	Fracture critical inspection date	<input type="text" value="September 2010 [0910]"/>	
Other special inspection	<input type="text" value="Not needed [N]"/>	Other special inspection date	<input type="text"/>	