

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07202021-4</b>	
<b>Date:</b> 7/8/2021	<b>Inspected By:</b> McCaw J	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	4-123 - ROCKY BROOK BRIDGE (HAMPDEN)		
<b>Route:</b>	421	<b>Overall Length:</b>	9.6 m
<b>Year Built:</b>	1942	<b>Est:</b> Yes	<b>Overall Width:</b> 13.9 m
<b>Year Last Rehab.:</b>	1983	<b>Est:</b> Yes	<b>Roadway Width:</b> 7 m
<b>Region:</b>	WEST COAST/NORTHERN		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	7 m
<b>Type of Structure:</b>	04 - Rigid Frame	<b>Max Depth of N.W.L.:</b>	1 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	06 - None	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
<b>Alignment Vertical:</b>	02 - Adequate	1	9.6
<b>Alignment Horizontal:</b>	01 - Good	2	0
<b>Restrictions:</b>	No	3	0
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	Scour under the upstream footing. Masonry rock wall missing significant part on upstream side. Could present a falling hazard in the future.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Older part of bridge still has formwork in place so it cannot be inspected. Deck is leaking between the old and new sections.		
<b>DECK</b>			
<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	I - Inapplicable

<b>Hand Rail:</b>	I - Inapplicable	<b>Roadway Condition:</b>	I - Inapplicable
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>			
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0.5 m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	0.6 m	<b>Scour Problem:</b>	K - Known Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Scour under old footing sections		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2030	<b>Replacement Year:</b>	2060
<b>Antic. Rehab. Cost:</b>	\$200000	<b>Replacement Cost:</b>	\$2000000
<b>Recommendations:</b>	Repair masonry wall that is falling apart. Fill scour with tremie concrete.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F2 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Parking ok. Hazards: traffic, slipping, water		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
<b>PHOTO GUIDELINES:</b>		<b>Category Definitions:</b>	
<b>Inspection Photos:</b>		Maint. - Maintenance.	
Please provide photos using guidelines below:		Eng. - Engineering.	
<ul style="list-style-type: none"> <li>● Any item which inspector sees should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>		Office - Bridge Office.	
<b>INSPECTION PHOTOS</b>			