

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B07202021-3</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>	4-122 - RUSHY BROOK BRIDGE		
<b>Route:</b>	421	<b>Overall Length:</b>	9.6 m
<b>Year Built:</b>	1942	<b>Est: No</b>	<b>Overall Width:</b> 13 m
<b>Year Last Rehab.:</b>	1983	<b>Est: Yes</b>	<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>	4.8 m
<b>Type of Structure:</b>	03 - Reinforced Concrete Beam/Slab		<b>Max Depth of N.W.L.:</b> 0.5 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	1	9.6
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No		
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	I - Inapplicable
		<b>Bearing Seat:</b>	I - Inapplicable
<b>Comments:</b>	Concrete spalling on top of footing. No scour seen under footing. Downstream wingwall removed and replaced with armour stone. Very steep slopes and susceptible to erosion. Some efflorescence present on walls.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Some efflorescence on concrete faces.		
<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>	Trees and shrubs growing on top of structure.		
<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>	P - Possible Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	Armour stone very steep. Partially removed wingwall has a gap open to the direction of water flow which could cause scour to occur in behind the wall remnants.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2030	<b>Replacement Year:</b>	2060
<b>Antic. Rehab. Cost:</b>	\$100000	<b>Replacement Cost:</b>	\$1500000
<b>Recommendations:</b>	Fix scour to top of footing. Add armour stone to reduce slope.		
<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>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels 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>			
<b>INSPECTION PHOTOS</b>			