

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02032022-22	
Date: 11/29/2021		Inspected By: Lynch R / Connors R		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		3-038 - SOUTHEAST BROOK BRIDGE - R361			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Pier caps have spalls/disintegration with rebar exposed. Wide cracks in pier footing #1 also in #2 but to a lesser extent. Large areas of delamination/disintegration in columns (3 to 4 inches deep). Bearings showing signs of fatigue. Could not inspect pier cap bearings.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Joints at piers are leaking, multiple patches at dams. Spalls on ends of girders at abutment 1. Area of efflorescence on LHS girder in center span.				
DECK					
Condition:	F2 - Fair	Curbs:	F1 - Fair		
Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Concrete hand rails disintegrated - too low. Curbs have wide cracks & areas of disintegration. Soffit on right hand side disintegrating with efflorescence and exposed rebar - leaking. Approach rail not attached.				
HYDROLOGY					
Water Velocity:	1.5 - varies m/s	Ice Problem:	N - No Problem		
Water Depth:	>1.5 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Minor washouts at 2 of 4 curb corners. Minimal water flow directly below structure.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Rehab deck and replace joints. Repair disintegrated pier caps & columns. New hand rail and end blocks. Regrade shoulders on approaches.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	Yes		
Additional Observations:	Winter sand damming RHS shoulder on abutment 2 approach. Large asphalt patch with water still pinned in shoulder.				