

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03092022-4	
Date: 2/21/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-270 - LEES BROOK BRIDGE - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Original structure extended approx. 2.0 m upstream and 4.0 m downstream. Assumed condition of submerged reinforced concrete frame leg footings. Light scour bottom of frame leg northwest corner.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Construction joints between original frame legs and extension opening up with light efflorescence deposits. Medium horizontal/vertical cracks with light efflorescence deposits in wing walls and face of frame legs.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	F2 - Fair				
Comments:	Medium horizontal/vertical cracks and spalling/delamination with exposed rebar in concrete handrails. Narrow-medium longitudinal cracks with medium efflorescence in original deck soffit. Narrow-longitudinal cracks with medium efflor deposits in extension deck soffit upstream and downstream especially near construction joints. Some longitudinal cracks in deck curb.				
HYDROLOGY					
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.4 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:	2030		
Antic. Rehab. Cost:	\$100	Replacement Cost:	\$500		
Recommendations:	Monitor scour at bottom of NW frame leg. Install hazard markers on upstream corners. Upstream concrete handrail to be fixed to match road surface.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	Incorrect hazard markers installed on upstream handrail. Approach/exit guiderail upstream not installed. P3 Concrete handrail / F1 remaining structure.				