

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05282022-3	
Date: 4/12/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-261 - POUCH COVE BROOK BRIDGE - R20			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Original structure extended approximately 6.0 meters upstream. Medium erosion to frame legs.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Medium horizontal/vertical cracks with light efflorescence to upstream wing wall face. Severe erosion/undermining of SW wing wall near culvert outlet. Wide cracks with medium spalling/disintegration to downstream wing walls. Narrow-medium horizontal/vertical/pattern cracks with medium deposits of efflorescence on north and west frame legs.				
DECK					
Condition:	P1 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	P - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	U - Uninspectable				
Comments:	Severe spalling with exposed rebar to original structure soffit. Narrow cracks with light efflorescence deposits to deck soffit. Upstream aluminum handrail severely damaged. Post missing, rails bent and tied on with rope, severe spalling beneath post. Jersey barriers temporarily installed on bridge deck. Downstream handrail light abrasion to rails with missing end caps. Concrete deck beneath aluminum post medium-wide cracks and severe spalling to SE corner. No hazard markers or approach/exit rail.				
HYDROLOGY					
Water Velocity:	0.7 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.5 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2022	Replacement Year:	2030		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$2,000,000.00		
Recommendations:	Repair aluminum handrails, install approach/exit rails if possible, repair concrete defects, install hazard markers, repair slope erosion to SW corner.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	Bridge office should inspect upstream aluminum handrail. While the major deficiencies were complete in 2017 rehab, the structure still has considerable defects.				