

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02012024-5	
Date: 11/24/2023		Inspected By: Strugnell		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		3-050 - BERNARD'S BROOK BRIDGE - R360			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	P1 - Poor		
Comments:	Severe concrete disintegration/spalls/delamination's at abutments/wingwalls/bearing seats with rebar exposed in multiple areas				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Expansion joints full of sand, asphalt cracking around joints with potholes, expansion joints leaking during inspection (active wet spots) underneath, some small spalls in girders with rebar visible				
DECK					
Condition:	F1 - Fair	Curbs:	P1 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P1 - Poor				
Comments:	Severe concrete disintegration/spalling at curbs with rebar exposed full length of bridge on downstream side, approach rails too low and damaged, handrail is coming apart at joins (top rail) asphalt deck and approaches recent paved, handrail post undermined in places, transverse cracking underside of deck with efflorescence, heavy deposits at underside of bridge on girders/abutments from expansion joints leaking				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Erosion at end curbs/end blocks, water too high and fast to see if any scour, but possible scour since water flowing very fast during inspection				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Rehab curbs/abutments/wingwalls/expansion joints/handrails/approach rails, waterproof and pave deck and approaches or replace bridge				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	No		
Additional Observations:	Water pooling on deck at upstream side, salmon river				