

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02032025-4	
Date: 1/30/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-077 - BANNERMAN BROOK BRIDGE - R70			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	U - Uninspectable		
		Bearing Seat:	F2 - Fair		
Comments:	Severe erosion below high-water mark, medium honeycombing, and visible cold joints in south abutment. North abutment covered in graffiti with medium erosion. Wingwalls have narrow horizontal/vertical cracks throughout. Double tee bearing seats in good condition on both abutments. North abutment/bearing seat covered in debris from nesting pigeons.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	Medium corrosion to steel embedment connection plates on exterior double tee beams staining concrete surface. Hundreds of light spalls with light surface corrosion to exposed reinforcement on double tee precast beams due to insufficient cover (P3). Decommissioned deck drains have circumferential spalls and exposed rebar with medium corrosion to soffit (P3). Remaining deck soffit (F1). New deck drains extended below structure. Joints between double tee beams remain in fair condition with little evidence of leaking.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Handrails, end blocks, approach/exit rails, and hazard markers in good condition. Hazard markers installed at different heights. Light spalls/abrasions to curbs and medium cracks in all directions. Cold joints and hairline pattern cracking in East/West fascia.				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	Tidal m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Northwest corner remains slightly unprotected against flow. Scour starting on southwest corner.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair spalls to double tee beams, old deck drains and other concrete defects. Structure rehabbed in 2016.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	During inspection the tide was observed rising and lowering approximately 0.5m very rapidly (minutes) for numerous cycles. Old structure upstream remains closed.				