

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02172025-3	
Date: 2/12/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-037 - HEART'S DESIRE BROOK BRIDGE - R80			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	P3 - Poor		
Comments:	All exterior bearing seats, abutment corners and the adjacent area of the wingwalls have medium/severe spalling, delamination, and medium to wide cracking with efflorescence, P3. The northeast bearing seat has concrete disintegrated extending to the edge of the double tee, P3. Severe efflorescent leakage from the bearing seat and depositing on the east abutment face. This is also occurring on the west abutment face but less severe. Both abutments have light to medium erosion along the waterline that continue up the face, F1. Wide vertical and horizontal cracks in abutments. Unable to check for scour due to ice restrictions.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P1 - Poor		
Comments:	Some double tee joints on the north side (bridge super elevated to this side) of the structure are leaking with efflorescent stalactite deposits, P3. The south side double tee joints are in fair condition, F1. Double tee bearing blocks have severe cracking with efflorescence at the mid-point over the east abutment, P3. Remainder of double tees in fair condition with some exposed stirrups due to low cover, F1.				
DECK					
Condition:	P3 - Poor	Curbs:	U - Uninspectable		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. South fascia/curb has narrow map cracking with efflorescence across the face, F1. North exterior curb/deck joint to the double tees has severe disintegration and has created a narrow void over most of the face. Deck is super elevated towards the north and water/salts appear to have been draining through the void, P3. Efflorescent leakage was observed between several double tee precast sections on the north side, indicating the deck has ongoing disintegration and is allowing the penetration of water/road salts through the concrete, P3. Unable to inspect curbs due to snow. Guide rail in fair condition with some split posts, F1. No end blocks. Asphalt in fair condition with a wide transverse crack over the expansion joint, F1.				
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:	Beaver dam has been removed since last inspection. Gabion baskets on the upstream side in fair condition.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2033		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$1,800,000.00		

Recommendations:	Remove sand/gravel/vegetation from curbs. Repair the exterior bearing seats, double tee bearing blocks and abutment corners. Repair double tee bearing blocks under the structure over the east abutment. Replace expansion joints.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.