

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03072025-2	
Date: 3/5/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-035 - BIG BARACHOIS BROOK BRIDGE - R92			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Unable to inspect bearings/bearing seats due to height restrictions. Light erosion along bottom of east/west abutment face. Numerous medium to wide vertical, horizontal, pattern cracks with light deposits of efflorescence throughout abutment faces. Numerous medium to very wide horizontal/vertical/pattern cracking with medium delamination/spalling and severe efflorescence deposits in four wing walls and exterior ballast walls (P3). The construction joint between the curb and wing wall is leaking causing efflorescence to accumulate on the wingwalls. Steel form ties protruding from abutment faces at water level. Cold joints are visible in abutments.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P1 - Poor		
Comments:	Severe delamination/spalling with exposed reinforcement to bottom flange of east center girder previously repaired. The west girder appears to be similar but not severe. Medium horizontal and vertical cracks with light efflorescence in numerous girders ends above bearing seat. Medium abrasion to expansion joint dams lightly exposing embedded edge beam. Medium transverse, longitudinal, and pattern cracks with medium efflorescence deposits in soffit near midspan including cantilever soffit (occurring in numerous locations). There is stain evidence on abutments and wingwalls of leaking expansion joints.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	P1 - Poor		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Medium transverse alligator cracking adjacent to both expansion joint causing settlement and an elevation difference between the approach slab asphalt and concrete dam. Severe pothole in asphalt on west approach slab. Center of each lane contains rutting, settlement, and wide longitudinal cracks in asphalt on the approach and exit. Medium pothole and delamination with medium longitudinal/transverse cracks in exposed concrete deck. Medium spalling and abrasion to end blocks. Light abrasions with some end caps missing on aluminum handrails. NE approach rail damaged by snow clearing equipment. SE hazard marker missing. All remaining hazard markers damaged. Guiderail structures installed and attached to end blocks however only half the posts installed.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			

Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Install waterproofing and asphalt over deck and approaches. Install missing and damaged hazard markers. Clean out and replace expansion joint seals. Repair all concrete defects. Install additional slope protection at four corners to reduce erosion. Repair NE approach rail.		
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:			

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