

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02242025-3	
Date: 2/19/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-093 - BALDWIN'S RIVER BRIDGE - R91			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	Four very wide vertical cracks in the west abutment with medium horizontal/pattern cracking throughout. Very severe spalling and disintegration to NE and NW corner of footing/abutment with significant concrete loss. Severe disintegration to NW corner of abutment and wingwall. Wingwalls have severe map cracking with moderate efflorescent leachate. Wide vertical crack in SE wingwall. Wide horizontal and pattern cracking in footings. Unable to check for scour due to snow and ice accumulation.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	North and south exterior deck beams contain extensive wide horizontal, longitudinal, pattern cracking, and severe delamination with moderate to severe efflorescence. Numerous medium delamination's and spalling with exposed reinforcement in deck soffit. No visible signs of expansion joints.				
DECK					
Condition:	F1 - Fair	Curbs:	U - Uninspectable		
Hand Rail:	P1 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Very severe potholes with medium longitudinal and transverse cracking, P3. NW hazard marker cracked off and SW marker missing. Structure rail in poor condition. Numerous steel posts downstream bent/cracked off and top HSS rail detached and secured with chain. Severe deformation to north exit handrail/guidrail attached to steel posts. No end blocks.				
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:	2026	Replacement Year:	2032		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair downstream steel handrail. Replace missing and damaged hazard markers. Complete various concrete repairs on the abutments and deck soffit. Install waterproofing and asphalt. Consider replacement within 5-10 years.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:					