

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B08302022-6	
Date: 7/21/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-093 - BALDWIN'S RIVER BRIDGE - R91			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	The east and west abutments are showing moderate cracking with minor efflorescence leachate. West abutment showing several wide vertical cracks on the abutment wall. The Northwest corner has more distinguished cracking and is leaching effloresce. Wingwalls have severe map cracking with moderate efflorescent leachate.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	North curb beam has moderate map cracking, and severe delaminations with moderate to severe efflorescence. Underside of the deck showing some isolated spalls with exposed rebar. No visible signs of expansion joints.				
DECK					
Condition:	F1 - Fair	Curbs:	U - Uninspectable		
Hand Rail:	P - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor				
Comments:	Asphalt has numerous potholes and cracks, P3. Build-up of gravel on each curb. Guiderail in fair condition but covered by overgrowth and missing all hazard markers. Structure rail in poor condition. Numerous posts bent/cracked off and rails missing/detached.				
HYDROLOGY					
Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.3 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- No visible scour. Flow impeded upstream by rip rap in the channel.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2023	Replacement Year:	2030		
Antic. Rehab. Cost:	\$100,000	Replacement Cost:	\$1,500,000		
Recommendations:	- Clear cut guiderail and potentially replace. Install all missing hazard markers. Complete various concrete repairs on the abutments and deck soffit. - Clean all gravels from the bridge. - Consider replacement within 5-10 years.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	- Bridge overall F1 to P3. Steep slopes.				