

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B08222024-2	
Date: 8/22/2024		Inspected By: D. Burns/B. Grandy		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-010 - BIG SALMONIER RIVER BRIDGE - R220			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Concrete abutments and wingwalls. Very severe Alligator cracking with seeping efflorescence of both downstream wingwalls. Small stream running beside downstream wingwall 2, undoubtedly causing erosion and undermining structure. Upstream wingwall 2 has large erosion at cold joint. Abutment faces have light cracking with efflorescence in places. Entire original(non-extended) structure seems to be damp. Some deterioration in all joints connecting abutments to wingwalls.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Structure is visibly extended. Original structure soffit has severe cracking with efflorescence. Newer structure has cracking with efflorescence near both construction joints. Some disintegration between newer and older structure joint. Downstream fascia in specifically poor condition, while upstream is better with minor efflorescent deposits.				
DECK					
Condition:	P1 - Poor	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	P1 - Poor		
Approach Rail:	P3 - Poor				
Comments:	Asphalt surface with 4 rail aluminum system. Asphalt has severe potholes with resting water over older part of structure(downstream side). other roadway surface has one pothole exposing concrete, holding no water. Heavy sand and salt build up on asphalt. Improper hazard marker on approach 2 left. Structural posts are rotten on approach rail system.				
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:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace hazard marker. Upgrade guiderail system. Resurface and waterproof structure. Replace wingwalls. Repair all joints that have disintegration. Consider replacing structure.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:					