

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B12042023-4	
Date: 6/1/2023		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-029 - BAY BULLS RIVER BRIDGE - R10			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	- Wingwalls and abutment corner resurfacing still in fair condition with isolated map cracks, F1. - Both original abutment faces have isolated spalls and cracks throughout, F1. - Bearing seat and bearings not visible. Some rust staining visible on abutment faces under the 3 concrete beams likely from corroding shims.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	- No expansion joints. - The three concrete beams have various transverse cracks throughout, F1. Three members may not have enough capacity to meet current design standards. - The deck soffit has various areas that look porous with efflorescent leachate, P3. On the northwest corner there is efflorescence leaching through the construction joint between the old and new deck soffit.				
DECK					
Condition:	P3 - Poor	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Approach and bridge asphalt in fair condition. Wide transverse crack and small pothole at expansion gap location. - End blocks in fair condition with minor scrapes and spalls. - Guiderail system in fair condition. However, it does not have regulation post spacing nor hazard markers. - Structure 4 rail aluminum system in fair condition with no observed defects. - Curbs have light scaling throughout. There is a large area of disintegration at the midpoint of the west curbs exterior.				
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:	- No scour visible. Rip rap slope protection very unstable				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2028		
Antic. Rehab. Cost:	\$	Replacement Cost:	\$4,500,000		
Recommendations:	- Recommend to replace bridge				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	- Recommend to replace bridge. Rip rap slope protection very unstable.				