

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B09022022-2	
Date: 7/21/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-170 - HODGE RIVER BRIDGE - R81			
SUBSTRUCTURE					
Condition:	G - Good	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Both frame legs in good condition. Wingwalls have the start of map cracking.				
SUPERSTRUCTURE					
Condition:	G - Good	Expansion Joints:	I - Inapplicable		
Comments:	Deck soffit and fascia's in good condition.				
DECK					
Condition:	G - Good	Curbs:	P3 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	G - Good		
Approach Rail:	G - Good				
Comments:	Asphalt in good condition, new pavement. Guiderails on all four corners are new and up to code and connected to the end blocks. Correct hazard marks on all for corners of the structure in the correct orientation, size and location. All end blocks have corner spalls. Curbs undermined on corners have various wide cracks, spalls and delaminations. Curb exteriors are delaminated with wide cracks leaching efflorescence. Structure rail on the northeast corner has let go from the post, evidence of snow clearing damage.				
HYDROLOGY					
Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem		
Water Depth:	3 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	No evidence of scour from vantage point of the river bank. Rip rap to be replaced on the downstream side, both upstream abutment edges have the correct amount of rip rap covering them.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2025	Replacement Year:	2050		
Antic. Rehab. Cost:	\$200,000	Replacement Cost:	\$2,000,000		
Recommendations:	- Curbs and end blocks to be replaced. Reposition/replace rip-rap.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	- Bridge overall in fair condition. Curbs and end blocks need replacement within 3 years.				