

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11292023-2	
Date: 11/27/2023		Inspected By: Darrell Avery		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-037 - NORTH HARBOUR RIVER BRIDGE - R210			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	Previous inspection - Concrete abutments and wingwalls. Minor concrete erosion of the footings. Some significant cracking with efflorescence at the abutment corners and wingwalls. A few small delamination's. Some squat in the bearing pads noted during a previous inspection. there is a buildup of debris on the abutments.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor		
Comments:	Previous inspection - 7 AASHTO girders, some light cracks. Expansion joints are receiving excessive impact wear on the road surface due to approach settlement. Joints are leaking and have potholing around them. Girders 1,3,4,6 have efflorescence on them - appears to be caused from deck leakage. The bottom of girders 1,3,4,6,7 are stained, spalling with exposed rusting rebar.				
DECK					
Condition:	F1 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Previous inspection - Concrete deck with asphalt wearing surface. Minor raveling of asphalt along centreline joint. 4 rail aluminum hand rail with concrete end blocks, some impact damage to right rail. Guiderail is in poor condition and requires work. Abutment 2 and 2 right hazard marker missing. Efflorescence in multiple locations throughout the deck bottom indicating leakage through deck. Bottom of deck between girders 3 and 4 adjacent to diaphragm has spalls with evidence of leakage. Bridge is covered in sand. New inspection - Asphalt crack sealing done previous and deeper ravels in repairs. Cracks & efflorescence along deck edge. Washouts in left shoulders.				
HYDROLOGY					
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.5 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace bridge rail, structural and guiderail, ID signs. Replace expansion joints. Clean Deck. Repair deck and re-pave. repair and re-face abutments. Inspect and repair girders. Replace bearing pads. New inspection - repair shoulders				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					