

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03282025-1	
Date: 3/19/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-097 - NORTH HARBOUR RIVER BRIDGE - R92			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Assumed condition of buried/submerged reinforced concrete abutment footings. Unable to inspect bearings/bearing seats due to height restriction. Medium erosion along bottom of east/west abutment faces. Numerous medium vertical/horizontal/pattern cracks with light deposits of efflorescence throughout abutment faces. Numerous medium horizontal/vertical/map cracking with light delamination/spalling and medium efflorescence deposits in wing walls. Construction joint between the curb and wingwall is leaking allowing efflorescence to accumulate on the concrete surface. Horizontal construction joint along bottom of west abutment opening from erosion.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	F1 - Fair		
Comments:	Medium spalling to bottom of all girders exposing reinforcement with the exterior downstream girder being more severe. Medium delamination/spalling with medium angular cracks in girder ends. Medium abrasion and narrow longitudinal cracks in expansion joint dams. Medium deterioration to caulking in expansion joint gaps. Severe spalling to SE exterior girder end. Repairs have been completed to numerous locations on downstream girder due to spalling concrete. Exposed concrete deck contains light potholes and abrasions.				
DECK					
Condition:	P3 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Very wide horizontal and longitudinal cracks with very severe delamination/spalling with exposed reinforcement in downstream deck fascia and soffit (P1). Numerous medium transverse cracks with light spalling/exposed reinforcement in exterior cantilevered deck soffits. Narrow transverse cracks in deck soffit. Medium abrasions and narrow longitudinal/transverse cracks in exposed concrete deck. Wide transverse cracks in asphalt at expansion joint dams. Light abrasions and dents with all end caps missing on aluminum handrails. NW hazard marker missing. Embankment erosion undermining SE concrete curb/gutter. Severe spall/abrasion to top corner of SE end block.				
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:	Ice breakup from recent high rainfall has shifted location of rip rap creating large voids and unstable boulders.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		

Recommendations:	Install waterproofing and asphalt over exposed concrete deck. Repair concrete spalls to deck, deck fascia and girders. Install NW hazard marker. Clean out expansion joint seals. Repair erosion at SE rock embedded gutter.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Structure does not contain curbs or deck drains. Deck is sloped towards the downstream handrail allowing water drainage to rapid deterioration the deck fascia.		

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.