

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01292025-1	
Date: 1/24/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-108 - SPOUT BROOK BRIDGE - R10			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Narrow to medium cracks with efflorescence to SE corner of footing. Severe scour/erosion to bottom of east footing F1. Cavity approximately 1.5 meters in depth. Narrow pattern cracks on footings, wing walls, and abutment faces with light deposits of efflorescence. Assumed condition of bearings and bearing seat due to height restrictions. Light scaling to concrete surface at all abutment corners.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Medium spalling with narrow longitudinal cracks near bearing on upstream exterior girder flange. Light delamination with light corrosion to exposed rebar on downstream exterior bottom girder flange. NE creep block narrow pattern cracks. Center creep block on east side has wide vertical cracks. Some light spalling on diaphragms. Expansion joint seals blocked with sand and dams covered in asphalt with light deterioration/abrasions to exposed concrete edges P3. During inspection, moisture and hairline cracks with light efflorescence deposits were observed in deck soffit approximately 3 meters from east/west bearing seat.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Light disintegration to concrete beneath steel handrail posts. Medium spalling/abrasion with exposed rebar to NE curb. Medium erosion to SE shoulder/embankment. Upstream cantilever soffit light spalling with light corrosion to exposed rebar. Medium longitudinal cracks with light efflorescence deposits to deck soffit near end diaphragms. South curb fascia leaking efflorescence at construction joint. Light raveling of asphalt with light potholes and narrow transverse/alligator cracks near expansion joints. Structural approach rail attached to end blocks however no guide posts installed.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Medium erosion/scour under west footing.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2026	Replacement Year:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Removed all debris and asphalt from expansion joints. Waterproof deck and approaches and place new asphalt.				

Repair scour to east abutment footing.			
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			

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