

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03272025-1	
Date: 3/5/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-134 - LITTLE BARACHOIS RIVER BRIDGE - R92			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	- Southeast wingwall and abutment corner has narrow to medium map cracks with moderate efflorescence, P3. - Southwest wingwall's lower construction joint (CJ) is leaching water causing disintegration around the CJ, F1 to P3. Local areas of hairline to narrow map cracks with light efflorescence. - Both the north abutment's wingwalls have medium to wide map cracks with light to moderate efflorescence under the expansion joint and towards the river. Upper portion of both wingwalls in fair condition. - South abutment's west bearing seat corner (wingwall area) has a small void likely left from original construction. - South abutment face has narrow horizontal cracks with light efflorescence from the southeast wingwall to roughly the midpoint of the abutment, F1. - No visible leakage from expansion joint above. - North abutment's face has two main pockets of hairline to narrow map cracks with moderate efflorescence, F1 to P3. Hairline map cracks throughout but more dominate on exterior corners (likely due to dampness). There are two medium to wide vertical cracks. One at the upper midpoint and the other is roughly 2m to the west. Visible light efflorescent staining caused from a leaking expansion joint above. Ballast wall visible in some locations. Visible areas have disintegration behind the girders. - Both abutment's bearing seat and bearings generally too high for inspection. However, on the northeast corner, the bearing seat perimeter has a wide crack and suspected delamination. Area roughly 500mm outside the bearing area of the girder.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P - Poor		
Comments:	- North expansion joint leaking and causing distresses to primary bridge elements, P. - South expansion joint does not appear to be leaking, F1. - The deck soffit around the south expansion joint has hairline to narrow cracks with light efflorescence. In one location, there is a small spall exposing rebar with moderate to severe corrosion, F1. - Remaining deck soffit has no significant defects. Deck top concrete distresses are not reflecting below. - The east/downstream girder on the northeast corner of the structure has a shallow spall due to low cover, F1 to P3. - Remaining girders have no significant defects, F2.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Exposed concrete deck has numerous potholes and delaminations. Reinforcement exposed in several potholes, P3. - Curbs refaced in 2012. - Curb tops have hairline to narrow cracks with light efflorescence throughout. Isolated wide cracks with delaminations & small spalls, F1 to P3. - Eastern exterior curb face has hairline cracks throughout with very light efflorescence. Near the expansion joints, curbs have wide cracks, P3. - Western exterior curb face has a wide longitudinal crack propagating in and along the drip bead with moderate efflorescence. Suspect much of the curb face is delaminated. Near the expansion joints, curbs have wide cracks with moderate efflorescence, P3. - Structure rail replaced in 2012 and has no significant defects, F2. - Approach rail/guiderail not of type "Guiderail Structures". Tipping of sections observed on the northeast corner, P3. Isolated areas throughout have minor dents/scrapes. Growth of alders from road shoulder granulars in some locations. - End blocks installed in 2012. Northwest end block has a local spall likely from a plough wing blade, F1 to P3. F1 to F2 remainder. - Approach asphalt recently replaced and in good condition. Local progressive edge cracking at the asphalt concrete meeting point. - Southwest hazard marker missing. Remainder in place.				

HYDROLOGY			
Water Velocity:	m/s	Ice Problem:	N - No Problem
Water Depth:	m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Light to moderate riprap movement into the channel.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Complete deck repairs + waterproof + pave. - Raise expansion joint end dams and/or replace to match waterproofing and paving. - Concrete repairs to wingwall/abutment exterior corners. - Ballast wall concrete repairs. - Crack injections as required. - Upgrade guiderail to "Guiderail Structures". - Remove alders from approach shoulder granulars. - Install missing hazard marker.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	P - North Expansion Joint P3 - West curb, areas of abut/wingwalls/ballast wall & deck top F1 - Remainder		

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