

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03092026-3	
Date: 3/3/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-053 - SOUTH BROOK OVERPASS EAST - R2			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	- Assumed condition of buried concrete footings. - Both abutment faces covered in graffiti. - Bearings and bearing seats too high for proper inspection. Bird netting also installed restricting vision. - Wingwalls have moderate to severe local scaling with hairline damp map cracks throughout. - All exterior creep block construction joints are leaking causing local disintegration and spalling to the joint perimeter. Local rust staining below creep blocks on wingwalls. - The south abutment's face has narrow map cracking throughout with medium to wide transverse cracks just under bearing seat elevation. Area maybe delaminated. At the exteriors, there are narrow map cracks with light efflorescence. The southeast corner also has a large spall with surrounding delaminations and wide cracks. - The north abutment's face has narrow map cracking throughout with local rust stains. Bearing seat has a small to medium spall adjacent to the exterior girder. From the northeast corner inwards, the abutment face has a large spall exposing reinforcement with surrounding delaminations and wide cracks.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	- Deck soffit showing dampness near their ends/around the expansion joints. Local rust staining visible. Deck soffit under the curb expansion gap has large spalls on the southeast corner. Northwest corner over the bearing seat has a small spall with icicles. Deck drain penetrations leaching rust material. P3 above, F1 remainder. - Southeast & northeast girder end exteriors have large delaminated/spalled area exposing reinforcement with severe corrosion behind. Southwest girder end exterior delaminated. No spalls visible. West exterior girder, near mid span, has a small spall with an adjacent wide longitudinal crack along the bottom flange. Suspect this area is delaminated and about to spall. At the bearing areas, most girders have small delaminations/spalls to the underside of the bottom flange. P3 above, F1 remainder. - Asphaltic plug joints installed. A large pothole has formed at the south joint, near the roadway centerline within plug joint material and the concrete end dam. North joint has a large pothole in plug joint material at the center of the left lane. Caulking cracked through curbs. Both joints leaking water to their bearing seats. Significant ice built up behind exterior girders. Joints no longer functioning as intended, P. - Deck fascia has local hairline vertical cracks. No efflorescent or water leachate visible between curb/deck construction joint.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	P - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - Structure rail is four rail aluminum system on posts. No notable defects, F1. - End blocks have damp hairline cracks on their interior faces. Local spall on slope section on southeast corner, F1. - Guiderail structures installed. Approach median buried end damaged. Post at slope change cracked off. Posts weathered with various checks and splits throughout. Both hazard markers missing. Reflectors incorrect on median guiderail posts. Substantial debris has accumulated under all guiderail sections. - Curb tops covered in snow and uninspectable. Curb roadside faces have abrasions, longitudinal cracks, and local spalls. Curb exteriors/fascia has local hairline vertical cracks. No efflorescent material visible. - Asphalt surface has a large pothole at the south joint, near the roadway centerline within plug joint material and the concrete end dam. The north joint has a large pothole in plug joint material at the center of the left lane. Moderate wheel track rutting in both lanes. Longitudinal joint opening along the centerline.				

HYDROLOGY			
Water Velocity:	< 1 m/s	Ice Problem:	N - No Problem
Water Depth:	< 1 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:	- No hydrological concerns. A lot of vegetation in water passage.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- Replace broken post on median buried end. Replace hazard markers. - Deck ends and joints may need work before replacement.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Overall, there are many fair areas but many areas are in need of repair, P3.		

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