	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	**BRIDGE INSPECTION REPORT B04092023-3**

Date: 4/3/2023 **Inspected By:** Trevor Upshall **Category:** Eng. - Engineering

BRIDGE INFORMATION

Site: 1-344 - RAYMOND BROOK BRIDGE - R3

SUBSTRUCTURE

Condition:	F2 - Fair	**Bearings:**	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Light erosion to north and south partially submerged/buried frame leg footings.		

SUPERSTRUCTURE

Condition:	F2 - Fair	**Expansion Joints:**	I - Inapplicable
Comments:	Hairline map cracking in 4 wing walls. Light spalls in NE/SE wing walls. Narrow vertical cracks in north/south frame legs. Vertical cracks that were sealed in faces of frame legs in fair condition. Frame legs covered in graffiti.		

DECK

Condition:	F2 - Fair	**Curbs:**	I - Inapplicable
Hand Rail:	F2 - Fair	**Roadway Condition:**	I - Inapplicable
Approach Rail:	F1 - Fair		
Comments:	Hairline longitudinal cracks in soffit. Longitudinal cracks sealed in deck soffit in fair condition with light efflorescence. Light spall to east barrier at midspan. Narrow vertical cracks with light efflorescence deposits and hairline pattern cracks in barrier walls. Structural approach/exit guiderail posts contain wide cracks, rot, and rotated blocking. Rails have light abrasions, dents, rust and angle away from roadway. No hazard markers. Moderate erosion of embankment material surrounding structural rail.		

HYDROLOGY

Water Velocity:	0.4 **m/s**	**Ice Problem:**	N - No Problem
Water Depth:	0.5 **m**	**Scour Problem:**	N - No Problem
Waterway:	01 - Adequate	**Debris Problem:**	N - No Problem
Comments:	Stream alignment directs majority of flow past south footing.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2028	**Replacement Year:**	2050
Antic. Rehab. Cost:	$0	**Replacement Cost:**	$0
Recommendations:	Install hazard markers. Repair/replace damaged approach/exit guiderail.		

OBSERVATIONS

Overall Condition:	F2 - Fair	**Requires Further Inspection:**	No
Additional Observations:			