

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02202025-2	
Date: 2/13/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-060 - BLACK RIVER BRIDGE - R90			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	P1 - Poor		
		Bearing Seat:	F1 - Fair		
Comments:	- Wingwalls have hairline map cracks throughout with light efflorescence, F1 to P3. Northeast wingwall has a local area of disintegration measuring approximately 1m long x 0.2m high, P3. Area directly below has hairline cracks with light efflorescence. - Ballast wall and bearing seat exterior corners have hairline map cracks with efflorescence with local areas of disintegration, P3. Bearing seat perimeter F1 remainder. - Bearings have cracking throughout, P3. - North abutment face has areas with wide cracks. Waterline concrete has moderate to severe erosion/disintegration to the concrete surface, P3. - South abutment has widespread hairline cracks and isolated cracks with light efflorescent material, F1.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	G - Good		
Comments:	- Two new asphaltic plug joints in 2022, G. - Deck soffit over the south abutment and near the mid-transverse point has very severe honeycombs exposing reinforcing steel with severe corrosion, P3. Other locations have pockets of honeycombs. F1 remainder. - Girders have isolated spalls on the exterior corners, P3. Girders otherwise have no significant defects, F1. - Some deck drains have perforations, P.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	G - Good	Roadway Condition:	F2 - Fair		
Approach Rail:	G - Good				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - Curb tops covered in snow and not inspectable. - Exterior vertical faces of the curb have isolated hairline cracks, F1. - Construction joint between the southeast wingwall and curb open. No efflorescent material visible. - Structure rail replaced in 2022 and is new structural steel railing. Railing has a sag on the northeast corner of the structure. No observed significant defects, G. - New approach rail/guidrail in 2022. No observed defects, G. - New end blocks 2022, G. - Asphalt patched in area the expansion joints were removed. Two joints associated with each joint. Local settlement on both approach exits, F2. - All hazard markers in place.				
HYDROLOGY					
Water Velocity:	< 1 m/s	Ice Problem:	P - Possible Problem		
Water Depth:	< 1 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- No comments.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2032	Replacement Year:	2045		
Antic. Rehab. Cost:	\$150,000	Replacement Cost:	\$3,000,000		

Recommendations:	- Structure rehabilitated in 2022 - Repair deck soffit over south abutment. - Repair wingwalls. - Replace deck drains.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:			

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