

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B02282023-2	
Date: 9/28/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	2-027 - TAYLOR'S BAY BROOK BRIDGE		
Route:	220	Overall Length:	17.5 m
Year Built:	1965	Est: No	Overall Width: 9 m
Year Last Rehab.:	1986	Est: No	Roadway Width: 7.4 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	0.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	01 - Concrete	1	11.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	F1 - Fair
Comments:	- Wingwall and abutment corners have moderate to severe map cracking and moderate efflorescence. One		

wingwall has a large deep spall and is suspected to be leaking through from the gravel backfill, P3. - Abutment faces have narrow map cracks throughout (away from corners). Exposed concrete footings have severe erosion with wide cracks. - Bearing seat exterior edges have light to moderate spalling but are in fair condition under the bridge deck.

SUPERSTRUCTURE

Condition: F2 - Fair **Expansion Joints:** I - Inapplicable

Comments: - Deck soffit in fair condition. - No expansion joints.

DECK

Condition: F1 - Fair **Curbs:** F1 - Fair

Hand Rail: F2 - Fair **Roadway Condition:** F1 - Fair

Approach Rail: F1 - Fair

Comments: - Approach asphalt have moderate map cracking throughout. Potholes developing, F1. - Exposed concrete deck in fair condition. Light scaling/wear on surface exposing aggregate colors. - Curbs have narrow cracks in isolated locations and are in fair condition. - Structure rail in fair condition. - Guiderail in fair condition, connected to end blocks, does not have regulation post spacing and is missing hazard markers.

HYDROLOGY

Water Velocity: 0.3 m/s **Ice Problem:** N - No Problem

Water Depth: 0.3 m **Scour Problem:** N - No Problem

Waterway: 01 - Adequate **Debris Problem:** N - No Problem

Comments: - No comment. Shallow slow moving river.

REPLACEMENT/REHABILITATION

Next Rehab. Date: 2027 **Replacement Year:** 2050

Antic. Rehab. Cost: \$50,000 **Replacement Cost:** \$2,000,000

Recommendations: - Replace hazard markers and upgrade post layout. - Consider brush clearing approaches. - Repair spalls to wingwalls and abutment corners. Waterproof and pave structure if capacity is available.

OBSERVATIONS

Overall Condition: F1 - Fair **Requires Further Inspection:** No

Additional Observations: - Bridge overall in fair condition with P3 areas. - Scheduled salmon river.