

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06282024-3	
Date: 6/27/2024	Inspected By: D. Burns/J. Rowe	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-064 - SOUTHEAST BROOK BRIDGE		
Route:	211-10	Overall Length:	20 m
Year Built:	1970	Est: No	Overall Width: 12 m
Year Last Rehab.:	2023	Est: No	Roadway Width: 11.5 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 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:	02 - Asphalt	1	6
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Previous Inspection: Both abutment faces have visible cold joints from original construction. - Medium to wide		

map cracks throughout. At the waterline, there is moderate erosion of the face. No visible signs of scour but a detailed inspection was not conducted due to fast moving water and a large waterfall downstream. Wingwalls have visible cold joints from original construction, narrow map cracks throughout with isolated efflorescence. New inspection - All errors seem to be persistent with previous inspection, although there are some areas that have been rehabbed on the wingwalls in 2023.

SUPERSTRUCTURE

Condition:	F1 - Fair	Expansion Joints:	U - Uninspectable
Comments:	Visible formwork left from construction throughout the underside of deck. Formwork is causing efflorescence and rust staining in several areas, so it is evident that the formwork is causing leaking. Moderate crack running through the middle of the underside of the deck longitudinally. Cracking in middle of fascia on right side of bridge.		

DECK

Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	G - Good	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Erosion on shoulder of every roadway approach, on the right side it is affecting asphalt. Aluminum rail is in good condition with a few of the end caps broken or missing. Expansion joint seems to be causing cracking along the deck as it has been paved over. One minor pothole in middle of deck.		

HYDROLOGY

Water Velocity:	0.5 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:	Tall waterfall systems downstream of the structure.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$TBD	Replacement Cost:	\$TBD
Recommendations:	Structure is still missing end blocks after the 2023 rehabs, also needs to be complete with hazard markers./		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	Provincial roads improvement project sign on approach 2 left may need to be removed after some period of time since the rehab. Steep footings along the wingwalls to access the structure		