

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B07122022-1	
Date: 5/29/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site: 1-053 - SOUTH BROOK OVERPASS EAST - R2					
SUBSTRUCTURE					
Condition: F1 - Fair		Bearings: U - Uninspectable			
		Bearing Seat: U - Uninspectable			
Comments: - All wingwalls in fair condition overall. Both southern wingwalls have a small area of spalling just below the bearing seat. Northeast wingwall has two small areas of rust staining below the bearing seat. - South abutment face has light scaling and map cracking. - South abutment bearing seat has vegetation growth on the southeast corner. Bearing seat too high for proper inspection. - North abutment has light map cracking throughout with isolated locations of rust staining below the bearing seat. Both exterior corners have a small spalled and delaminated area. - North abutment bearing seat too high for proper inspection. - Heavy graffiti on all abutments.					
SUPERSTRUCTURE					
Condition: F1 - Fair		Expansion Joints: F1 - Fair			
Comments: - Expansion joint curb chaulking cracked on the east side with isolated spalls around it. - Both plug joints in fair condition. - Southeast corner of the east girder over the bearing seat has its web delaminated, P3. The east girder also has a wide longitudinal crack at mid-span. Crack likely caused by corrosion of reinforcement. Western girder has a small spall on the bottom flange near the north abutment. Girders F1 with P3 areas. - Deck soffit in good condition.					
DECK					
Condition: F2 - Fair		Curbs: F1 - Fair			
Hand Rail: F2 - Fair		Roadway Condition: F2 - Fair			
Approach Rail: F1 - Fair					
Comments: - Asphalt in fair condition. - Handrails in fair condition. - Guiderails in fair condition overall, one post is broken on the approach. All guiderails are connected to end blocks and do not have hazard markers. - All end blocks in fair condition with narrow map cracks and some have small spalls to the top edge. - Curbs in fair condition with isolated spalls.					
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: - No comment.					
REPLACEMENT/REHABILITATION					
Next Rehab. Date: 2030		Replacement Year: 2050			
Antic. Rehab. Cost: \$100,000		Replacement Cost: \$2,000,000			
Recommendations: - Replace hazard markers. - Replace broken guiderail posts. - Paint over graffiti. - Repair east girder web of the south abutment. - Repair spalls/chaulking on east curbs.					
OBSERVATIONS					
Overall Condition: F1 - Fair		Requires Further Inspection: No			
Additional Observations: - Bridge overall F1. Inspect the bridge during highway clean ups.					