

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01132020-28	
Date: 9/23/2019	Inspected By: Lynch R / Martin L	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-048 - SOUTH BROOK BRIDGE (HALL'S BAY)		
Route:		Overall Length:	71.1 m
Year Built:	1965	Est: No	Overall Width: 16.81 m
Year Last Rehab.:	1998	Est: No	Roadway Width: 13.9 m
Region:	CENTRAL WEST	Sidewalk Width:	1.5 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	01 - Aluminum Rail		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	26.9
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	P3 - Poor
		Bearing Seat:	F2 - Fair
Comments:	Bearings that were visible were fatigued. Narrow-wide cracks in corbels and abutments.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor
Comments:	Asphalt plug missing at abutment 2; multiple patches (in joints) elsewhere with steel exposed.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Guide rail damaged at both abutments LHS. Multiple top down defects in asphalt surface; some patching done. Sealant missing from jersey barrier joints.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem

Comments:				
REPLACEMENT/REHABILITATION				
Next Rehab. Date:		Replacement Year:		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0	
Recommendations:	Replace asphalt plug joints and bearings. Rehab abutments and wing walls. Resurface the asphalt deck and approaches. Repair bank erosion on upstream side and replace missing hazard markers. Replace jersey barrier sealant.			
OBSERVATIONS				
Overall Condition:	F1 - Fair	Requires Further Inspection:	Yes	
Additional Observations:	Gutters plugged with sand; not working. Water/sewer attached to LHS of bridge soffit (casing rusted off). Large pothole at RHS approach slab, abutment #2; concrete exposed.			
LEGEND:				
Condition Definitions:				
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Problem Definitions:	Category Definitions:
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.	Maint. - Maintenance.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.	Eng. - Engineering.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.	Office - Bridge Office.
G - Good.	P - Poor.		NA - Not Applicable.	
PHOTO GUIDELINES:				
Inspection Photos:				
Please provide photos using guidelines below:				
<ul style="list-style-type: none"> ● Any item which inspector feels should be documented by photograph ● All items noted above as being P3, P1, P, or C ● Any evidence of known ice, scour, debris, waterway problems 				
INSPECTION PHOTOS				

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.