

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06242021-3	
Date: 2/5/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-108 - SPOUT BROOK BRIDGE BETWN FLND & AQU		
Route:		Overall Length:	29.7 m
Year Built:	1972	Est: No	Overall Width: 11.3 m
Year Last Rehab.:		Est: No	Roadway Width: 7 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.75 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	17.9
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	- Narrow cracks on wingwalls, footing and abutment faces. - Light efflor. deposits on abutment.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Girder in good condition with some light spalling along bottom flange - Some light spalling on diaphragms. Center creep block on south side has some cracked concrete. - Some deterioration at expansion joint dams and filled with dirt.		
DECK			
Condition:	F1 - Fair	Curbs:	F2 - Fair

Hand Rail:	G - Good	Roadway Condition:	F2 - Fair
Approach Rail:	F1 - Fair		
Comments:	-Some minor damage to approach and exit guiderail. -medium long. cracks with light efflor deposits to deck soffit near end diaphragms. -Light abrasions to curb surfaces and interior fascias. -Some small potholes with asphalt raveling near expansion joints		

HYDROLOGY

Water Velocity:	1.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.8 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	-Medium scour/erosion under north abutment		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2022	Replacement Year:	2027
Antic. Rehab. Cost:	\$20000	Replacement Cost:	\$1200000
Recommendations:			

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Unchanged previous inspection done in 2018		

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:

- 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