

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09202021-1	
Date: 2/5/2020	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-006 - PORTUGAL COVE BROOK BRIDGE		
Route:		Overall Length:	22.3 m
Year Built:	1984	Est: No	Overall Width: 8.5 m
Year Last Rehab.:		Est: No	Roadway Width: 9.5 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.3 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.6 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	12.7
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Assumed cond. of buried/submerged reinforced concrete frame leg footings		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Narrow/med vertical cracks with light/medium efflor. deposits in faces of frame legs. (cracks extend out of soffit) - Severe rutting continues to deck drain downspouts. One has broken off - Light vehicular damage with medium vertical cracks to NW end block		
DECK			
Condition:	F1 - Fair	Curbs:	F2 - Fair

Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	P1 - Poor		
Comments:	P1 - NE/NW/SW guiderail F2- SW guiderail - Narrow med. vertical cracks with light efflor. deposits to deck fascias and soffit - Medium vertical/transverse cracks with light efflor. deposits in curb fascias and surface - Light damage to guiderail with rotting posts		

HYDROLOGY

Water Velocity:	0.3 m/s	Ice Problem:	N - No Problem
Water Depth:	0.6 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Light shoulder erosion at 4 corners of structure - Some rip rap migrating into channel		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2022	Replacement Year:	2035
Antic. Rehab. Cost:	\$50	Replacement Cost:	\$800
Recommendations:	- Replace aging guiderail and install hazard markers (maint.) - Install new deck drains - Install new rip-rap on corners		

OBSERVATIONS

Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:	P1 - guiderail and deck drains F1 - remainder		

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