

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05292020-25	
Date: 5/28/2020	Inspected By: AB	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-103 - CENTRE COVE BROOK BRIDGE		
Route:	2-1-07	Overall Length:	25.5 m
Year Built:	1994	Est: No	Overall Width: 8.7 m
Year Last Rehab.:		Est: No	Roadway Width: 6.5 m
Region:	CENTRAL EAST	Sidewalk Width:	1.1 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3.5 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	1 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	1	11.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	F2 - Fair
Comments:	Concrete abutments and wing walls. Some light cracking and scaling of wing walls and abutments. Medium scaling/erosion of bottom one metre of both abutments due tidal waters. Joints leaking on to bearing seats.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Some light cracking of soffit.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair

Approach Rail: F2 - Fair

Comments: Aluminum bridge rail system with concrete end blocks. Spall on right end block abutment two from impact. Light cracking and scaling of sidewalks and curbs. Asphalt wearing surface beginning to crack at both approaches. Object markers abutment two missing. Approach two rail ends are damaged (fish tail and buried ends). Approach 1 left rail severely damaged. Gutters and sidewalk have approximately 10-20mm of sand buildup. Water line hangers on sidewalk are a tripping hazard. Bridge rail protrudes past the end block on both approaches. Approach one right has a washout next to the endblock and curb. Brush is growing around rail and obscuring hazard markers.

HYDROLOGY

Water Velocity:	.5 m/s	Ice Problem:	N - No Problem
Water Depth:	1 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Tidal. Abutment one and two left side requires hydraulic rip rap.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Place hydraulic rip rap left side, Replace missing object markers. Clean sand from deck and sidewalk. Repair Guiderail. Fix bridge rail from protruding beyond the end block. Repair washout at Approach one. Clear Brush.		

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	Town of Sunnyside waterline attached to the left side of the structure.		

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