

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B07272021-1	
Date: 7/23/2021	Inspected By: Michael Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-138 - SHORES COVE BRIDGE, CAPE BROYLE		
Route:		Overall Length:	18.6 m
Year Built:	1960	Est: Yes	Overall Width: 9.3 m
Year Last Rehab.:		Est: No	Roadway Width: 8 m
Region:	AVALON PENINSULA	Sidewalk Width:	0.6 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.1 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	02 - Concrete Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	8.5
Alignment Vertical:	02 - Adequate	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- Cannot reach bearing areas. - Mild Cracking of abutments. - Poor construction methods abutment to bedrock construction joint/bond. Eroded construction joints & honeycombing present. Honeycombing looks to be caused by washout of cement paste during a high flow event during construction. - Northwest u/s side wingwall has severe efflorescence/cracking with some spalling.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- Double tees just starting to degrade. Some stirrups showing, 10-15 years life left. Overall, superstructure is in good condition.		
DECK			

Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	P3 - Poor		
Comments:	- Approach damaged from a collision. - A lot of sand on bridge deck but drains still operational. Clean sand/salt from structure.		

HYDROLOGY

Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.3 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Structure high with lots of clearance.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:		Replacement Year:	2032
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$2000000
Recommendations:			

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Remove salt/sand from curbs. - Bridge difficult to get beneath. Travel through bush required on a steep incline. Approaches on a blind hill. Hazards: traffic, slipping, dense vegetation, high bridge		

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 sees 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