

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10072021-8	
Date: 10/3/2021	Inspected By: Trevor Upshall	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-184 - NAGLES HILL CULVERT EAST		
Route:	1	Overall Length:	6.7 m
Year Built:	1994	Est: No	Overall Width: 13.4 m
Year Last Rehab.:		Est: No	Roadway Width: 12.5 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.1 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	05 - Concrete Barrier		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	4.5
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:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- East frame leg has mild erosion at waterline, otherwise in good condition.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- 1/3 points under the deck have medium-wide cracking with efflorescence.		
DECK			
Condition:	F2 - Fair	Curbs:	I - Inapplicable
Hand Rail:	F2 - Fair	Roadway Condition:	I - Inapplicable
Approach Rail:	P3 - Poor		
Comments:	- Jersey barrier handrail has medium-severe alligator cracking on both sides. - Southeast has a small spall on jersey barrier.		
HYDROLOGY			
Water Velocity:	n/a m/s	Ice Problem:	NA - Not Applicable
Water Depth:	n/a m	Scour Problem:	NA - Not Applicable
Waterway:	03 - Not Applicable	Debris Problem:	NA - Not Applicable

Comments:		- Heavy bamboo growth in and along side waterway	
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2025	Replacement Year:	2045
Antic. Rehab. Cost:	\$75000	Replacement Cost:	\$500000
Recommendations: - Install hazard markers. - Guiderail space blocks missing. - Salvage and reinstall all guiderail on new posts.			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations: - P3 guiderail. - Traffic control required for inspection.			
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
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.