

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B10072021-1	
Date: 10/3/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	TCH-192 - TOPSAIL RD OVERPASS EAST		
Route:	1	Overall Length:	56.7 m
Year Built:	1997	Est: No	Overall Width: 13 m
Year Last Rehab.:		Est: No	Roadway Width: 12.1 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.6 m
Type of Structure:	05 - Pre-stressed Concrete Slab	Max Depth of N.W.L.:	0 m
Purpose of Structure:	01 - Highway Grade Separation	Spans:	
Type of Handrail:	05 - Concrete Barrier	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	13.5
Alignment Vertical:	01 - Good	2	22.5
Alignment Horizontal:	01 - Good	3	13.5
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F1 - Fair
		Bearing Seat:	F1 - Fair
Comments:	- North and south piers both have mild hairline alligator cracking throughout. - Northwest wingwall has mild-hairline alligator cracking. - Both abutment faces and bearing seats in fair condition. - Bearing plates have medium corrosion on the bearing seat and plate attached to bottom of deck while the slider/contact plates are in good condition, corrosion free and appear to be in working order. South and pier bearing (assumed) F1, North bearing, F2.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair
Comments:	- Bottom of deck in good condition. - Fascia's on both the east and west sides have mild vertical hairline cracking with evidence of leakage throughout. - Construction joint in the fascia, at all four corners of the structure, leaking with efflorescence 4m out from all bearing areas.		

DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	- Parapets/jersey barriers mild hairline cracking throughout. - Approach rails in fair condition & connected to end blocks, no hazard markers. Small tear out failure of guardrail connection to the northeast end block. - North expansion joint has a small area of deteriorated concrete on the northwest corner. South expansion joint concrete has a small pothole like spall on the southwest side. - Asphalt in fair condition, evidence of settlement cracking on the exit.		
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:	- Not applicable.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2030	Replacement Year:	2070
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$2000000
Recommendations:	- Install hazard marker on approach.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:	- Monitor leaks in fascia construction joints and corrosion of bearings, structure F2. - 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			