

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09102021-15</b>	
<b>Date:</b> 2/21/2020	<b>Inspected By:</b> Chris Lyver	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-199 - WHITBOURNE UNDERPASS TCH		
<b>Route:</b>	80	<b>Overall Length:</b>	53.5 m
<b>Year Built:</b>	2001	<b>Est:</b> No	<b>Overall Width:</b> 15.7 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 13.4 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	1.5 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	5 m
<b>Type of Structure:</b>	05 - Pre-stressed Concrete Slab	<b>Max Depth of N.W.L.:</b>	0 m
<b>Purpose of Structure:</b>	01 - Highway Grade Separation	<b>Spans:</b>	
<b>Type of Handrail:</b>	01 - Aluminum Rail	<b>Span No.:</b>	<b>Length</b>
<b>Roadway Surface:</b>	01 - Concrete	1	24
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	<b>Span No.:</b>	<b>Length</b>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	- Assumed condition of buried reinforced concrete abutment and pier footings - Paint coating continue to peel off bearings. Light/med. corrosion to all bearings. - Narrow vert./angular cracks with light efflor. deposits to faces of abutments and ballast walls. - Numerous narrow map cracks in all pier columns.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Expansion Joints:</b>	P1 - Poor
<b>Comments:</b>	F2 - North P1 - South - Narrow long. cracks in expansion joint dams. - Light rust stains on ballast walls caused by leaking expansion joint to South - Southeast corner of South exp. joint leaking very badly - Hairline alligator cracking in 4 end blocks.		
<b>DECK</b>			

<b>Condition:</b>	F2 - Fair	<b>Curbs:</b>	F2 - Fair
<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F2 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	- Hazard markers missing on North end post are still in place - Narrow vertical/transverse cracks in deck soffit, fascia's and curbs - Some guiderail repairs completed in 2019, still some minor tipping and damage on remainder - Asphalt defects in 2018 inspection has been fixed		

**HYDROLOGY**

<b>Water Velocity:</b>	n/a m/s	<b>Ice Problem:</b>	NA - Not Applicable
<b>Water Depth:</b>	n/a m	<b>Scour Problem:</b>	NA - Not Applicable
<b>Waterway:</b>	03 - Not Applicable	<b>Debris Problem:</b>	NA - Not Applicable
<b>Comments:</b>	- Some minor erosion on corners of structure		

**REPLACEMENT/REHABILITATION**

<b>Next Rehab. Date:</b>	2020	<b>Replacement Year:</b>	2076
<b>Antic. Rehab. Cost:</b>	\$100	<b>Replacement Cost:</b>	\$2500
<b>Recommendations:</b>	- Replace seal in South expansion joint - Clean out expansion joint seals (maint.)		

**OBSERVATIONS**

<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	P1 - South expansion joint seal F2 - Remainder		

**LEGEND:**

<b>Condition Definitions:</b>			<b>Problem Definitions:</b>	<b>Category Definitions:</b>
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**