

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01192021-5</b>	
<b>Date:</b> 5/19/2020	<b>Inspected By:</b> Terrance Coates	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-115 - DEER LAKE UNDERPASS		
<b>Route:</b>		<b>Overall Length:</b>	54.1 m
<b>Year Built:</b>	2003	<b>Est:</b> No	<b>Overall Width:</b> 11.7 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 9.5 m
<b>Region:</b>	WEST COAST/NORTHERN		<b>Sidewalk Width:</b> 0.9 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	6 m
<b>Type of Structure:</b>	13 - Other	<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		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	01 - Concrete	1	21.7   4   0
<b>Alignment Vertical:</b>	01 - Good	2	21.7   5   0
<b>Alignment Horizontal:</b>	01 - Good	3	0   6   0
<b>Restrictions:</b>	No		
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	G - Good
		<b>Bearing Seat:</b>	G - Good
<b>Comments:</b>	Minor cracking in abutments. Undermining of concrete pavers lining the slopes.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	G - Good	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	Snowplow damage to south expansion joint. Joint is leaking.		
<b>DECK</b>			
<b>Condition:</b>	G - Good	<b>Curbs:</b>	G - Good
<b>Hand Rail:</b>	G - Good	<b>Roadway Condition:</b>	G - Good
<b>Approach Rail:</b>	G - Good		
<b>Comments:</b>	Deck drains are plugged. Downspout leaking at welded joint. Minor spalling on curb fascia.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	0 m/s	<b>Ice Problem:</b>	NA - Not Applicable
<b>Water Depth:</b>	0 m	<b>Scour Problem:</b>	NA - Not Applicable
<b>Waterway:</b>	03 - Not Applicable	<b>Debris Problem:</b>	NA - Not Applicable
<b>Comments:</b>			

<b>REPLACEMENT/REHABILITATION</b>			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Remove winter sand build-up along curbs. Repair curb fascia. Replace expansion joints. Latex concrete repairs to abutments.		
<b>OBSERVATIONS</b>			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
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.		
<b>Category Definitions:</b>			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being F3, P4, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.