

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01192021-8	
Date: 5/19/2020	Inspected By: Terrance Coates	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	TCH-108 - NICHOLSVILLE UNDERPASS		
Route:		Overall Length:	60.1 m
Year Built:	1986	Est: No	Overall Width: 13.3 m
Year Last Rehab.:		Est: No	Roadway Width: 10.6 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 1.1 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.4 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:	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	24.4 4 0
Alignment Vertical:	01 - Good	2	24.4 5 0
Alignment Horizontal:	01 - Good	3	0 6 0
Restrictions:	No		
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	G - Good
		Bearing Seat:	G - Good
Comments:	Undermining of concrete pavers lining slopes near abutments.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P1 - Poor
Comments:	Expansion joints are damaged and the concrete is deteriorated. Pieces of the steel expansion joint plate have been removed after being damaged by snowplow blades. Joints are now leaking onto bearing seats and abutments.		
DECK			
Condition:	P3 - Poor	Curbs:	G - Good
Hand Rail:	G - Good	Roadway Condition:	G - Good
Approach Rail:	F2 - Fair		
Comments:	Spalling along deck angled deck soffit on both sides. Approach rail is not structural. Potholes in asphalt.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	NA - Not Applicable
Water Depth:	0 m	Scour Problem:	NA - Not Applicable
	03 - Not Applicable		NA - Not Applicable

Waterway:	Debris Problem:		
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Remove winter sand build-up along curbs. Replace expansion joints. Install structural rail. Latex concrete repairs to deck soffit. Backfill undermined concrete pavers. Install hazard markers.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:			
LEGEND:			
Condition Definitions:			
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Problem Definitions:
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.
G - Good.	P - Poor.		NA - Not Applicable.
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.