

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01132020-8</b>	
<b>Date:</b> 11/26/2019	<b>Inspected By:</b> Sharron J / Burge H	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	TCH-095 - UNION STREET UNDERPASS		
<b>Route:</b>		<b>Overall Length:</b>	68.6 m
<b>Year Built:</b>	1976	<b>Est:</b> No	<b>Overall Width:</b> 12.8 m
<b>Year Last Rehab.:</b>	2004	<b>Est:</b> No	<b>Roadway Width:</b> 9.1 m
<b>Region:</b>	CENTRAL WEST	<b>Sidewalk Width:</b>	0 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	4.4 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	<u>Span No.:</u>	<u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	8.9
<b>Alignment Vertical:</b>	02 - Adequate	2	18.4
<b>Alignment Horizontal:</b>	02 - Adequate	3	18.4
<b>Restrictions:</b>	No	<u>Span No.:</u>	<u>Length</u>
		4	14.2
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	F1 - Fair
		<b>Bearing Seat:</b>	F1 - Fair
<b>Comments:</b>	Debris on both bearing seats. Small crack under south bearing seat/abutment		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	P3 - Poor
<b>Comments:</b>	Major spalling and rebar exposed underside of deck near North expansion joint. Minor spalling underside of deck near south expansion joint. Various spalling underneath deck minor; mostly near/under curbs. Expansion joints leaking both ends. Plow damage near curbs. large spalls under curb/ail east side above acceleration lane.		
<b>DECK</b>			
<b>Condition:</b>	P3 - Poor	<b>Curbs:</b>	P - Poor
<b>Hand Rail:</b>	P1 - Poor	<b>Roadway Condition:</b>	P - Poor
<b>Approach Rail:</b>	P3 - Poor		
<b>Comments:</b>	Disintegration throughout sidewalk near asphalt both sides rebar exposed. Hand rail damaged and held together with ratchet straps near northwest wing wall. Asphalt gone in various areas throughout deck; concrete exposed and water/rusting showing. Plow damage on rails. No end blocks. No hazard markers. No modified shoes or structural rails.		
<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>			
<b>Next Rehab. Date:</b>		<b>Replacement Year:</b>	
<b>Antic. Rehab. Cost:</b>	\$0	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>	Rehabilitate curbs, replace hand rails, install end blocks and structural rail, repair spalls, replace expansion joints, re-waterproof and pave deck, rehab sidewalks and repair spalls on underside of deck.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	P1 - Poor	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	Loose concrete has a potential to fall on vehicles at acceleration lane going east. Some loose concrete removed last year same area.		
<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>PHOTO GUIDELINES:</b>		<b>Category Definitions:</b>	
<b>Inspection Photos:</b>		Maint. - Maintenance.	
Please provide photos using guidelines below:		Eng. - Engineering.	
<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 P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>		Office - Bridge Office.	
<b>INSPECTION PHOTOS</b>			

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