

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B09062023-4	
Date: 5/28/2023		Inspected By: JDawe		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		TCH-201 - CARRICK DRIVE UNDERPASS - R			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	P3 - Poor		
		Bearing Seat:	F2 - Fair		
Comments:	- Both abutment faces and bearing seats in fair condition. Pier in fair condition with mild vertical cracking with some graffiti present. - Bearing plates have severe corrosion on the bearing seat and plate attached to bottom of deck while the slider/contact plates were not inspectable, P3. Bearings viewed from side as clearance from top of MSE wall to ground level was confined. Pier bearings viewed from below and appear to be in similar condition. - All wing walls in fair condition. - MSE wall in good condition and graffiti was recently painted over. One panel on south MSE wall has a medium spall and medium horizontal and vertical cracks. - Coping on MSE had gaps. - MSE railing has rust on welds. - Medium spall/delamination on barrier on south side of pier.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair		
Comments:	- Fascia's on both sides have mild vertical hairline cracking throughout. - Deck soffit has light staining from rebar. - Angled soffit on west side of south span has a medium spall. - Expansion joint lightly damaged on southeast curb, likely from plough. No evidence of leaking below, Both expansion joints contain debris. Light to medium abrasion on south concrete dam. F1.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	- Medium to severe potholes in deck asphalt. - Medium asphalt raveling. - Aluminum bridge rail has light to medium abrasion and corrosion. Northeast corner is missing end caps. - Guiderail - structures on northeast and northwest corners have minor damage. Guiderail posts and offset blocks have rot and or decay with hazard markers and connected to end blocks. - Numerous narrow traverse cracks on east and west sidewalks.				
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:	None.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2030	Replacement Year:	2070		
Antic. Rehab. Cost:	\$200000	Replacement Cost:	\$2000000		
Recommendations:	- Potentially replace bearings and expansion joints within 5-10 years (2030), \$200,000. These tasks will likely have to be done together in order to jack up the bridge.				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:	Traffic control required for inspection Hazards include: slipping, tripping, falling				