

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B05202024-2</b>	
Date: 5/20/2024		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		1-357 - GOLDSTONE STREET OVERPASS SOUTH - R			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	F2 - Fair	Bearing Seat:	F2 - Fair
Comments:	Pot bearings in fair condition with no visual defects to protective coating. Some bearings covered in paint from covering graffiti. Unable to inspect pier bearings due to height restriction. Concrete piers in fair condition with no visible defects observed. Narrow vertical cracks with light efflorescence in abutment face and ballast walls. Spalled concrete debris accumulating on bearing seat. Unable to determine the affected area due to access however appears to be from the ballast wall or deck near expansion joint. Wingwalls, bearing seat, ballast walls, and abutment surfaces heavily stained from leaking corroded expansion joint assembly. Medium spalls to sloped paving. Hairline pattern cracks in wingwalls. Pigeon's nesting on bearing seat. Wide transverse crack in sloped paving gutter.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Severe corrosion, light abrasions and leaking seals to expansion joints. Hairline transverse/pattern cracking in sloped soffit. Severe deterioration to expansion joint caulking. Deck soffit in good condition with no observed defects. Light spall to NW sloped soffit.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Numerous narrow vertical cracks with light efflorescence deposits in barrier walls and fascia. Severe undermining of embankment material supporting rock embedded gutters. Guiderail post showing signs of decay and some blocking rotating. Sand and debris accumulating along barrier walls. Graffiti covering abutments, wingwalls, barriers, and signage. Medium longitudinal cracks, raveling, and wheel track rutting to Goldstone Street asphalt surface.				
<b>HYDROLOGY</b>					
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:					
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2028	Replacement Year:	2075		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace expansion joints. Repair concrete defects. Remove graffiti. Repair undermining beneath rock embedded gutters. Remove sand along barrier walls. Install new expansion joint caulking. Clean debris off bearing seat.				

**OBSERVATIONS**

<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b> F1 – Corrosion and leaking of expansion joints.			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.