

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05202024-1	
Date: 5/20/2024		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site: 1-355 - GOLDSTONE STREET OVERPASS NORTH - R					
SUBSTRUCTURE					
Condition: F2 - Fair		Bearings: F2 - Fair			
		Bearing Seat: F2 - Fair			
Comments: Pot bearings in fair condition with no visual defects to protective coating. 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.					
SUPERSTRUCTURE					
Condition: F2 - Fair		Expansion Joints: F1 - Fair			
Comments: Severe corrosion and light abrasions 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.					
DECK					
Condition: F2 - Fair		Curbs: I - Inapplicable			
Hand Rail: F2 - Fair		Roadway Condition: F2 - Fair			
Approach Rail: F1 - Fair					
Comments: Severe spall with exposed corroded reinforcement in NW barrier wall. Numerous narrow vertical cracks with light efflorescence deposits in barrier walls and fascia. Wide longitudinal crack and 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.					
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:					
REPLACEMENT/REHABILITATION					
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					
Overall Condition: F1 - Fair		Requires Further Inspection: No			
Additional Observations: F1 - Corrosion and leaking of expansion joints.					