

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B06022023-3</b>	
Date: 5/28/2023		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site:		TCH-181 - PORTUGAL COVE OVERPASS EAST - R1			
<b>SUBSTRUCTURE</b>					
Condition:	F2 - Fair	Bearings:	P3 - Poor		
		Bearing Seat:	F2 - Fair		
Comments:	All wing walls in fair condition with narrow vertical cracks. Very severe corrosion with greater than 10% section loss of steel to pot bearings P3. Assumed same condition of pier bearings. Protective coating peeling off all bearings. Elastomeric element starting to release in some bearings. East/west abutment faces and ballast walls in fair condition with hairline/narrow vertical cracking. Pier columns in good condition. Severe embankment erosion to SW corner undermining the sloped paving due to roadway runoff. Approximately 20% material loss fair condition. Abutment faces painted over to hide graffiti.				
<b>SUPERSTRUCTURE</b>					
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair		
Comments:	Narrow vertical cracking throughout north/south exterior fascia. Deck soffit remains in good condition. Light abrasion/corrosion to exposed expansion joints. Hairline map cracking in concrete deck directly over bearings.				
<b>DECK</b>					
Condition:	F2 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	F2 - Fair				
Comments:	Severe wheel track rutting in all lanes P3. Maintenance placing asphalt patching near expansion joints. Interior/exterior barriers have narrow vertical cracking throughout. Approach/exit rails in fair condition with light corrosion and medium abrasions/dents. Caulking cracked at all barrier/expansion joint openings. No hazard markers.				
<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:	2025	Replacement Year:	2070		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Install rock embedded concrete gutter on southwest corner of structure and repair embankment erosion. Replace bearings and expansion joints within 5-10 years (2030). Install hazard markers. Install new waterproofing and asphalt on bridge deck.				
<b>OBSERVATIONS</b>					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	P3 Bearings and wheel track rutting in asphalt surface. F1 Expansion joints. F2 Remainder.				