

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B06022023-2	
Date: 5/28/2023		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-202 - ABERDEEN AVE UNDERPASS - R1			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	P1 - Poor		
		Bearing Seat:	F2 - Fair		
Comments:	Exterior pot bearings contain very severe corrosion with greater than 10% section loss and protective coating peeling off. Interior pot bearings and pier bearings contain sever corrosion however unable to properly inspect due to access restriction. Wood, concrete and steel debris accumulating on bearing seat. South ballast wall contains rust stains from expansion joint corrosion. Safety steel handrail over MSE wall light surface corrosion.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	F2 - Fair		
Comments:	North/South expansion joint seals covered in sand/debris with light abrasions and surface corrosion. Soffit remains in good condition.				
DECK					
Condition:	F2 - Fair	Curbs:	F2 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor				
Comments:	Medium pothole with exposed reinforcement on bridge deck near north expansion joint. Narrow vertical cracks in curb/deck fascia. North approach asphalt contains medium longitudinal/transvers cracks, medium alligator cracking, and medium potholes. Approach structural rail missing posts, blocking shifted, posts tipping and showing signs of deterioration. Light dents/abrasions to aluminum handrail. No hazard markers				
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:	2024	Replacement Year:	2075		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Replace severely corroded pot bearings. Clean out expansion joint seals. Install hazard markers. Replace north asphalt approach. Repair all concrete defects. Remove debris off bearing seat.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	P1 Bearings. P3 North asphalt approach and structural guiderail. F2 Remainder. Bridge office should reinspect bearings.				