

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03242024-2	
Date: 9/26/2023		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-006 - ROACHES LINE UNDERPASS - R1			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Narrow vertical/pattern cracks in abutment face with light efflorescence. Narrow pattern cracking to center concrete piers. Light surface corrosion with less than 10 percent section loss of material to bearings. Concrete debris accumulating on bearing seat. Severe spalling and medium vertical/horizontal/pattern cracking with heavy deposits of efflorescence in wingwalls. Hairline vertical/horizontal cracking with medium efflorescence deposits on ballast wall. Graffiti covering abutment face.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Severe abrasions/spalling to expansion joint dams including medium deformations to steel anchor plate. Narrow pattern cracking with heavy efflorescence deposits to deck fascia over bearing seat. Narrow longitudinal cracking in deck fascia's.				
DECK					
Condition:	P3 - Poor	Curbs:	P1 - Poor		
Hand Rail:	F2 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Very severe spalling/delamination/disintegration/abrasions with exposed deformed corroded reinforcement and medium to very wide pattern cracking in NE/NW/SE/SW end blocks and interior/exterior curb fascia above wingwalls and bearings. Wide horizontal crack in interior/exterior curb face. Narrow horizontal cracks in curb fascia. Light corrosion to aluminum handrail post anchor bolts. Severe potholes and medium transverse/alligator cracking in asphalt surface near expansion joints. No structural guiderail. Hazard markers missing stripes and not reflectorized.				
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:	2050		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair all concrete defects. Replace all end blocks. Install structural guiderail and replace hazard markers. Replace expansion joints. Resurface asphalt deck. Remove concrete debris from bearing seat and sidewalks. Caulk expansion joints. Remove graffiti.				
OBSERVATIONS					

Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes
Additional Observations:	P1 - Curbs/End Blocks. Falling concrete is hazardous to vehicles and pedestrians and condition of structure should be inspected by the bridge office. Structure should undergo rehabilitation. Maintenance division should clean all concrete debris from bridge deck and sidewalks to reduce debris falling onto highway below.		

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