

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05222023-1	
Date: 4/25/2023		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site: TCH-105 - MANUEL'S RIVER FEEDER CANAL (EASTBOUND) - R1					
SUBSTRUCTURE					
Condition: P3 - Poor		Bearings: F2 - Fair			
		Bearing Seat: F2 - Fair			
Comments: P3 - Wide crack in SE footing and SW abutment, F2 Remainder Bearings in fair condition with no observed material defects. Wide vertical crack with light spalling/delamination to SE corner of footing. Narrow horizontal/vertical cracks in remaining exposed east/west footings. Narrow to medium horizontal/vertical cracks with light efflorescence in abutment faces. Wide horizontal crack, light delamination with rust stained concrete at SW abutment corner. Light horizontal/vertical/map cracking with light efflorescence to all wing walls. Narrow longitudinal cracks in bearing seat. Concrete debris accumulating on bearing seat.					
SUPERSTRUCTURE					
Condition: F2 - Fair		Expansion Joints: F2 - Fair			
Comments: Narrow vertical/horizontal cracks in side faces of all concrete girders. Narrow longitudinal cracks in bottom of all concrete girders. Narrow vertical cracks in ballast wall. Medium build up of efflorescence on SW exterior ballast wall leaking from expansion joint.					
DECK					
Condition: P3 - Poor		Curbs: P3 - Poor			
Hand Rail: F2 - Fair		Roadway Condition: P3 - Poor			
Approach Rail: F1 - Fair					
Comments: P3 - End Blocks, Curbs, Asphalt Surface Medium spalling with exposed reinforcement in NW/NE/SW exterior deck soffit near expansion joints. Narrow vertical cracks, light spalling to curb fascia. Construction joint between deck/curb starting to deteriorate. Very wide vertical/horizontal/map cracks, severe delamination/spalling with exposed reinforcement to NE end block. Medium to wide map cracking with medium spalling/abrasions to remaining end blocks. Severe abrasion to NW/SW interior curb exposing reinforcement. Severe pothole at east exit approach slab. Medium revealing to asphalt surface. Light dents/abrasions with missing end caps to aluminum handrail. No hazard markers.					
HYDROLOGY					
Water Velocity: 0 m/s		Ice Problem: N - No Problem			
Water Depth: 0 m		Scour Problem: N - No Problem			
Waterway: 01 - Adequate		Debris Problem: N - No Problem			
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date: 2025		Replacement Year: 2045			
Antic. Rehab. Cost: \$0		Replacement Cost: \$0			
Recommendations: Repair all concrete defects. Install hazard markers on structural guiderail. Repair pothole on asphalt surface.					
OBSERVATIONS					
Overall Condition: P3 - Poor		Requires Further Inspection: No			
Additional Observations:					