

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01222025-5	
Date: 1/21/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		TCH-004 - MANUEL'S RIVER FEEDER CANAL (WESTBOUND) - R1			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	Bearings remain in fair condition. Unable to inspect bearing seat due to height/water restrictions. Light corrosion to exposed reinforcement, severe delamination/spalling/disintegration with narrow to medium vertical/horizontal/map cracking and medium efflorescence in all wing walls. Wing walls continue to deteriorate progressively. Interior abutment face contains light erosion with narrow horizontal/vertical cracks. Exterior abutment face contains narrow map cracking, medium/wide horizontal/vertical cracks with severe spalling and disintegration. Deterioration continues into exterior ballast walls.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	Interior soffit and beams in fair condition with hairline pattern/horizontal cracking and no evidence of efflorescence F2. Expansion joints not visible during inspection. Light erosion/spall in exterior beams from deck drains. Exposed corroded reinforcement with severe spalling/disintegration to NE exterior beams/deck over bearing seat. Medium horizontal/vertical cracks with medium efflorescence and narrow map cracking in exterior beams/soffit. Water leaking through curbs allowing efflorescence to deposit on exterior beams.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Very severe delamination/spalling/disintegration with exposed corroded reinforcement to north/south concrete curb/fascia. North downstream concrete end blocks dislodged from structure from snow clearing equipment resting on embankments. Medium longitudinal crack in north overhang soffit with medium efflorescence. Medium dents/abrasions with missing end caps to aluminum handrails. No hazard markers. NE approach rail deformed/dented with damage to posts and blocking.				
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:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Install new concrete end blocks downstream. Install new deck drains. Repair concrete defects in curbs, fascia, wingwalls, and abutments. Repair approach rail and install new hazard markers.				

OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes
Additional Observations:	Bridge office should further inspect damaged end blocks, severe spalling and deterioration to wingwalls, exterior beams and curbs/fascia. Interior beams and soffit in fair condition.		

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.