

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B04272023-1	
Date: 4/25/2023		Inspected By: Trevor Upshall		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:	Light erosion with narrow horizontal/vertical cracks to interior abutment faces. Narrow map cracking, medium/wide horizontal/vertical cracks with severe spalling and disintegration to exterior abutment faces. Deterioration continues into exterior ballast walls. Exposed corroded reinforcement, severe delamination/spalling/disintegration with narrow to medium vertical/horizontal/map cracking and medium efflorescence to all wing walls. Bearings in good condition. Unable to inspect bearing seat due to height/water restrictions.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	Severe spalling/disintegration to east exterior beams/deck with exposed corroded reinforcement. Medium longitudinal/vertical cracks with light efflorescence and narrow map cracking in exterior beams/soffit. Light erosion to beams from drain pipe with small spall at south beam. Hairline vertical/horizontal cracks to interior beams. Efflorescence leaking through curbs causing it to accumulate on exterior beams. Expansion joints not visible (paved over). Interior beams in good condition.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	P3 - Poor				
Comments:	North concrete end blocks completely sheared off of structure and resting on embankments. Severe delamination/spalling/disintegration with exposed corroded reinforcement to north/south concrete curb/fascia. Narrow map cracking in deck soffit. Medium longitudinal crack in north exterior deck 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:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:	2030		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair all concrete defects. Install new concrete end blocks (north). Install hazard markers.				
OBSERVATIONS					

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

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