

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02062024-9	
Date: 11/7/2023		Inspected By: Strugnell		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		3-097 - EAST BROOK BRIDGE - R413-10			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	F1 - Fair		
Comments:	Vertical cracking in footings, wide cracks in abutments, pattern cracks with efflorescence underside of bridge from joints leaking on abutments, spalls and delamination's in this area				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor		
Comments:	Expansion joints full of sand and partly paved over, damaged steel armor and sections of joint missing (leaking), double tees has deposits/efflorescence from joints leaking, asphalt cracking around both joints				
DECK					
Condition:	P3 - Poor	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	P3 - Poor				
Comments:	Approach rail damaged and not structural, rail tie up not attached to end block, handrails damaged and tied up with black tape, asphalt patches in concrete deck in multiple areas with wide cracks				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Scour at bottom of both abutments, undermining at corners with loss of material				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Rehab abutments, replace deck, expansion joints, handrail, approach rails, waterproof and pave, replace with multiplate				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	Concrete exposed deck, waterline attached to bridge on downstream side, four hazard				