

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B01092023-1	
Date: 5/29/2022		Inspected By: Trevor Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-089 - HEAVY TREE ROAD OVERPASS EAST - R2			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	P1 Abutment/end wall corners, F1 Remainder Severe spalling with exposed corroded reinforcement to north and south corners of abutment/end wall joints. Joints are beginning to open and shift outwards causing backfill to wash through undermining the approach slab and eroding the concrete edges. All corners are also showing medium deterioration and medium scaling/efflorescence deposits (P1). Caulking between struts and sloped paving panels completely disintegrated exposing gaps. Corroded steel ties exposed on abutment faces. Remainder of abutment face, struts, paved slopes in fair condition.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:					
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P3 - Poor				
Comments:	Numerous narrow longitudinal cracks with light efflorescence and rust stains from corroded reinforcement on deck soffit. Light spalling with exposed rebar in deck soffit due to insufficient concrete cover. Medium delamination/spalling to some areas of deck soffit and fascia. Wide vertical cracks with severe spalling and exposed rebar beneath numerous aluminum handrail posts. Medium vertical/horizontal cracks with light scaling and efflorescence to exterior deck/parapet fascia. Narrow vertical/transvers cracks in interior parapet/curbs. Minor abrasions to concrete curbs. Narrow transverse cracks in asphalt at approach slabs. SE exit rail/post damaged by snowplow (P3)				
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:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair all concrete defects, four abutment corners, exit rail SE corner. Caulk gaps around base of strut legs.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	No		
Additional Observations:	North/South corners of abutment/end wall joints P1 Exit Rail SE P3 Remainder F1				