

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03232026-3	
Date: 3/19/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-104 - RUBY LINE OVERPASS EAST - R2			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Very severe erosion/disintegration with exposed reinforcement to exterior corner of NE abutment. Hole ~1mx1m and varies in depth. There is significant concrete section loss to the back and side of abutment undermining the concrete deck and roadway. Water runoff is washing backfill material through opening causing erosion issues to embankment beneath structure. NW, SE, and SW corners are in similar condition however not as severe. Numerous medium and wide vertical cracks in piers with light spalling and scaling throughout. Severe scaling/disintegration to top of east piers exposing segregated sand aggregate. These areas are becoming severely delaminated with very wide vertical cracks extending down the leg face. Severe scaling to north exterior pier legs. Medium/severe scaling to face and top of wing walls.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Horizontal cold joint observed in north and south deck fascia travelling from pier to pier with potential shear cracks at pier/deck intersection. These horizontal cracks are leaking efflorescence. Severe spalling and delamination exposing horizontal reinforcement along north/south deck fascia in multiple locations. The SW corner contains a spill over 5 meters in length. Numerous longitudinal hairline cracks in soffit between east and west pier legs. There are areas of corrosion staining, light spalling and delamination throughout the entire soffit, with some areas having exposed reinforcement. The entire south exterior soffit from pier to pier is delaminated.				
DECK					
Condition:	P3 - Poor	Curbs:	P1 - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	P1 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. North construction joint between deck and barrier opening with medium disintegration. Very severe spalling and disintegration to almost entire length of north curb along TCH. Reinforcement completely exposed with light corrosion. Approach/exit rail consist of standard guiderail attached to barrier wall. Structure should have guiderail structures installed. Extensive severe spalling on north interior barrier wall with exposed reinforcement. All spalls appear to be under the handrail embedments. South barrier wall has extensive light spalling with corrosion surface staining throughout. Asphalt driving surface contains light potholes and medium raveling. South & north exterior barrier fascia contains medium scaling/delamination and wide horizontal/vertical cracks with efflorescence. Aluminum handrail along top of barrier wall is in good condition. Missing hazard markers. Severe impact damage to NE exit guiderail with deformed rail and posts cracked off.				
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:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	Repair all concrete defects including four abutment corners. Install approach/exit guiderail structures with hazard markers. Install netting on top of retaining wall to protect embankment material from washing onto Richard Nolan Drive. Waterproof bridge deck and place new asphalt surface.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Spalling concrete along exterior soffit should be scaled to reduce falling debris onto Richard Nolan Drive.		

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