

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02252025-2	
Date: 2/19/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-362 - DUMP ROAD UNDERPASS - ARGENTIA - R100			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	South abutment has medium horizontal/pattern cracks with severe efflorescence leaching from bearing seat area. Very severe spalling, delamination, disintegration with severe corrosion to exposed reinforcement and severe efflorescence deposits on southeast corner abutment caused from a leaking expansion joint P1. North abutment in fair condition with narrow pattern cracking. There is an unknown cable attached to north abutment. All columns in fair condition with narrow cracks. Light spalling with medium corrosion to exposed reinforcement on north pier cap soffit. Narrow pattern cracks in remaining pier cap. Light delamination to south pier cap soffit. Wingwalls are all in fair condition with narrow map cracks. No visible bearings or bearing seat.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	Wide longitudinal cracks with efflorescence in deck soffit. Soffit includes medium pattern cracking, numerous locations of light spalling and delamination with corrosion. Deck reinforcement chairs exposed throughout with rust staining. Expansion joints are leaking severely and not functioning to protect other components from damage, P. Severe corrosion to exposed reinforcement in SE corner of soffit.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Wide cracks and disintegration to joints in exterior curbs adjacent to expansion joints. Wide horizontal cracks in deck fascia. Narrow longitudinal cracks in top of curbs. Medium transverse cracks in asphalt at expansion joints and approach slab joints. Large section of south concrete approach slab is exposed. Medium raveling in asphalt over deck. Curb interior sides and top have various width cracks with areas of delamination. Curb exteriors in fair condition. Cantilevered soffit has hairline pattern cracks throughout with two wide cracks at SE corner. Structural rail, end blocks, and handrail in fair condition. Vegetation and sand accumulating along entire length of curbs. Missing 3 hazard markers.				
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:	2026	Replacement Year:	2045		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		

Recommendations:	Install new waterproofing and asphalt. Replace expansion joints and repair all concrete deterioration to superstructure and substructure components damaged by leaking joints. Paint over graffiti. Repair spalls on piers. Chip/inject cracks around structure. Remove sand and vegetation along curbs.		
OBSERVATIONS			
Overall Condition:	P - Poor	Requires Further Inspection:	Yes
Additional Observations:	Several components are starting to show their age. Suspect deterioration will start to accelerate over the next years. Wingwall areas fenced in with no access to top of structure. Bridge office should inspect deterioration to south abutment from leaking expansion joint.		

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