

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02042025-1	
Date: 1/30/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-156 - FOREST POND BRIDGE - R			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Assumed condition of reinforced concrete footings. Medium to severe efflorescence deposits on all wing walls and ballast walls leaking from expansion joints and curbs. Narrow pattern cracking in wing walls and abutments. Medium vertical cracks in abutment faces with light efflorescence. Extensive medium to wide pattern cracking and medium disintegration/delamination to surface of wing walls. Unable to inspect bearings and bearing seat due to height/water restrictions.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P1 - Poor		
Comments:	Medium horizontal cracks along top and bottom flange of girders at numerous locations. Severe abrasions, spalling and disintegration with transverse cracks to expansion joint dams. Steel embedment plates are exposed in areas due the deterioration of the dam. Severe potholes in exposed concrete deck. Wide transverse cracks in concrete deck and asphalt adjacent to expansion joints. Severe spall with medium corrosion to exposed reinforcement to bottom of exterior girder downstream adjacent to deck drain. Remaining girders and diaphragms remain in fair condition (F1). Steel embedment plates for expansion joints in curbs are exposed downstream from severe spalling/abrasions. There is high risk of snow clearing equipment striking the plates and causing extensive damage to the structure.				
DECK					
Condition:	P3 - Poor	Curbs:	P1 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	P1 - Poor		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Very severe spalling, delamination, disintegration with very wide horizontal/vertical cracks on fascia/curbs (more severe near expansion joints). Severe abrasions/spalling with exposed rebar to northwest and northeast end block and curbs. Aluminum handrail moderate damage with scrapes, dents, and missing end caps. No regulation hazard markers on structure. Sand and debris accumulating along curbs progressing concrete deterioration.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Water continues to flow past east footing only.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2025	Replacement Year:	2040		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		

Recommendations:	Replace curbs, end blocks, expansion joints, and install approach/exit guiderail for structures with hazard markers. Repair concrete potholes on deck. Install waterproofing and asphalt. Repair defects to wingwalls.		
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes
Additional Observations:	Maintenance should remove exposed rebar in northwest end block to reduce further damage from snow clearing equipment and eliminate hazards to the public.		

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