

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03032025-1	
Date: 2/27/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-122 - SHIP COVE RIVER BRIDGE - R			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	F2 - Fair		
		Bearing Seat:	P3 - Poor		
Comments:	Extensive medium pattern cracking with efflorescence, medium disintegration, delamination, and corrosion stains in all wingwalls. Severe spall with severe corrosion to exposed reinforcement in NW corner of bearing seat. Severe spalling, delamination, and disintegration to NW exterior ballast wall. Medium spalling to NE/SE/SW exterior ballast wall. Heavy accumulation of efflorescence on interior ballast wall. Vegetation and concrete debris accumulation on bearing seat. Medium vertical cracks in both abutments and ballast walls. Styrofoam obstructing visual inspection of bearings.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	Expansion joints are paved over with medium transverse cracks in asphalt. Joints are leaking and slowly deteriorating girder ends and bearing seat (P3). Extensive medium horizontal/pattern cracking in downstream exterior girder. Upstream girder not as severe. Hairline horizontal cracks in interior girders. Severe spalling, delamination, and corrosion to exposed reinforcement in girder bottom adjacent to north and south bearing seat (P3). Light spalling and delamination with severe corrosion to exposed vertical stirrup reinforcement in interior and exterior girders (P3). Spalling is caused from insufficient cover. Wide delaminated crack in center interior girder bottom. Two small holes were observed in the north interior girder web. Unable to determine depth. Medium transverse crack with efflorescence in NW soffit over bearing seat. Interior soffit and girders remain in fair condition.				
DECK					
Condition:	P3 - Poor	Curbs:	P - Poor		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	P1 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Very severe spalling, delamination, disintegration, with severe corrosion to exposed reinforcement and very wide cracks in downstream curb (P). There are large loose sections of concrete that have completely separated from the curb. Wide horizontal crack in NE curb fascia. Medium transverse cracks with medium efflorescence in upstream soffit overhang. Structure does not contain end blocks, guiderail for structures, or hazard markers. Current approach/exit rail is standard guiderail with terminal ends. Severe corrosion to bolts securing aluminum handrail. Light abrasions and deformations to aluminum handrail. Severe disintegration to expansion joint caulking. Severe deformation to SE approach buried end. Top aluminum rail at SE corner is not secure to post. Asphalt in fair condition.				
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:					

REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	Install new approach and exit guiderail for structures with hazard markers. Repair damaged aluminum handrails with new fasteners. Install new curbs and repair all concrete defect including severe corrosion to exposed reinforcement. Remove asphalt from expansion joints to access condition of dam and seals.		
OBSERVATIONS			
Overall Condition:	P - Poor	Requires Further Inspection:	No
Additional Observations:			

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