

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02172025-9	
Date: 2/12/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-245 - OLD SHOP POND BRIDGE - R			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	P3 - Poor		
Comments:	Very wide horizontal crack including a large section of concrete missing off top of SW wingwall exposing reinforcement, P3. SE wingwall contains narrow pattern cracking throughout with light efflorescence, and very wide vertical and horizontal cracks. Both north wingwall to fascia connections have medium wide cracks with efflorescence. The NW wingwall has wide horizontal cracks throughout. The upstream arch support has mild to medium concrete deterioration and very wide cracks on the SE face. The horizontal joint 300mm below the deck soffit is opening with mild efflorescence leakage. The west and east frame leg to deck transition joint is leaking with visible water coming down the frame leg face in various locations. Frame legs have light erosion below high-water mark and medium horizontal cracks, F1. Looking under the structure from both the upstream and downstream sides, both frame leg extensions have different slopes or settlement near the extension joints. Both frame leg extension construction joints opening beneath the structure. *Inspection limited as there is no access under structure due to water depth*				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Soffit contains narrow longitudinal cracks with light efflorescence. Numerous cracks travel through haunch into horizontal joint in frame legs. Honeycombing, spalling, and boulders observed in deck soffit. *Inspection limited as there is no access under structure due to water depth*				
DECK					
Condition:	F1 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	P1 - Poor				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Asphalt has medium/large potholes on the north shoulder. Medium transverse cracks in asphalt behind frame legs (possible settlement), P3. Otherwise, asphalt is in fair condition. No end blocks, hazard markers, or guiderail for structures on approach/exit. Structure handrail is standard guiderail with buried ends and in fair condition, F1. Original concrete handrail is destroyed. Earth fill atop rigid frame, moderate vegetation growth on the shoulders. *Inspection limited as there is no access under structure due to water depth*				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	Tidal m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2028	Replacement Year:	2035		

Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Repair concrete defects on the wingwalls and fascia's. Install approach/exit rails with hazard markers. Install waterproofing and asphalt over deck.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	Inspection limited as there is no access beneath structure due to water depth. Need chest waders for proper inspection of this bridge. P3 Original arch, leakage/efflorescence at the frame leg to bottom of deck transition, fascia, wingwalls, approach/exit rail, and handrails. F1 remainder.		

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