

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02242025-4	
Date: 2/19/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-092 - O'BRIEN'S BRIDGE, PLACENTIA - R91			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Original structure extended approximately 4 meters downstream and 1.5 meters upstream. Very wide vertical, horizontal, pattern cracking and severe erosion in original abutments. Severe scour and erosion in east frame leg extension. Wide vertical crack in NW/SE wingwalls. Severe disintegration with exposed reinforcement to top of NW and NE wingwall and construction joints. Narrow pattern cracking with efflorescence in remaining wing walls. Severe erosion to SE frame leg/footing construction joint.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	Very wide horizontal crack travelling through haunch in NW structure extension. Medium longitudinal and transverse cracks with medium efflorescence in original deck soffit. Efflorescence accumulating on abutments from leachate from soffit.				
DECK					
Condition:	P3 - Poor	Curbs:	U - Uninspectable		
Hand Rail:	F1 - Fair	Roadway Condition:	P3 - Poor		
Approach Rail:	I - Inapplicable				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Structure does not contain approach/exit rail, end blocks, or hazard markers. Severe pothole in asphalt. Wide cracks, light spalls, medium scaling and weathering to concrete handrails. Excessive vegetation and debris accumulating along curbs. Unable to inspect curb due to snow and debris accumulation.				
HYDROLOGY					
Water Velocity:	0 m/s	Ice Problem:	N - No Problem		
Water Depth:	0 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Degradation observed at SE corner (inlet) causing severe scour and erosion to abutment/frame leg footings. Embankments covered with snow during inspection.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2028		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Recommend replacing structure.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	Bridge office should inspect condition of original structure and erosion/scour concerns.				