

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11222021-1	
Date: 10/22/2021		Inspected By: Chantel Finn		Category: Office - Bridge Office	
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 approx. 4m D/S and 1.5m U/S. - Numerous wide vert./horiz/alligator. cracks with medium efflor. deposits in faces of orig. frame legs. (extending full length) - Narrow vert. cracks in faces of frame leg extensions. - Severe erosion/disintegration to bottom faces of orig. frame legs (center, east leg and SE end, east leg). - Narrow vert./horiz. cracks in 4 wingwalls. Severe spalling/disintegration to tops of both D/S wingwalls with medium rusting to exposed reinf. - Assumed condition of buried/submerged remaining frame leg footings.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	P1 (orig), F1 (extension). - Moderate map cracking with efflor. Deposits throughout the haunches. - Both facias in fair condition.				
DECK					
Condition:	P3 - Poor	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F1 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	P1 (orig.), F1(extension). - Narrow horiz./vert. cracks in deck/curb fascia. - Numerous wide long./trans. cracks with heavy efflor. deposits in orig. deck soffit. - Narrow/wide, vert./horiz. cracks and heavy delamin./spalling to concrete handrails and posts. - No end blocks or hazard markers, no guiderail, heavy vegetation on curbs.				
HYDROLOGY					
Water Velocity:	0.2 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.3 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	NA - Not Applicable		
Comments:	- Some asphalt, shoulder and slope erosion occurring on all 4 corners				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2025		
Antic. Rehab. Cost:	\$Replace	Replacement Cost:	\$500000		
Recommendations:	- Replace Bridge				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	P3 - original structure F1 - Extension Bridge				