

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B05042022-1	
Date: 4/8/2022		Inspected By: M Button		Category: Office - Bridge Office	
BRIDGE INFORMATION					
Site:		1-110 - DANIEL'S BROOK BRIDGE - R90			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	U - Uninspectable		
		Bearing Seat:	F1 - Fair		
Comments:	- Severe erosion/disintegration on the pier's south footing, with a moderate erosion hole to the construction joint between the footing and pier, P3. - Small to moderate erosion hole on the northwest corner of the pier nose. - Very severe erosion hole on the northwest abutment corner between the footing the abutment with exposed reinforcement and extreme corrosion, P3. - Severe/large erosion hole on the southeast abutment corner between the footing the abutment with exposed reinforcement, P3. - Creep block on the pier's south side has completely disintegrated leaving exposed reinforcement, P3. - All extension construction joints opened with disintegration around them. - Pier has a wide vertical crack around the mid-point on both the west and east faces.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable		
Comments:	- Original beams have moderate to severe delamination/cracking and spalling exposing severely corroded reinforcement in some locations, P3. - The double tees on both extensions are in fair condition, F1. - Both fascia's construction joints are leaching efflorescence between the cast in place deck and curb, P3.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	F2 - Fair		
Approach Rail:	G - Good				
Comments:	- Deck soffit in fair condition. - New guiderail and hazard markers, G. - South handrail has small area of exposed reinforcement and moderate disintegration to posts, F1. - Asphalt in good condition. - Curbs have very severe scaling to light disintegration throughout.				
HYDROLOGY					
Water Velocity:	0.4 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.3 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- No comments.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:	2027		
Antic. Rehab. Cost:	\$	Replacement Cost:	\$1,500,000		
Recommendations:	- Replace within 5-10 years.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	- Bridge ok for now. P3 locations. Shoulder narrow and dangerous to park, use caution.				