

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B07232024-5	
Date: 7/19/2024		Inspected By: D. Burns/J. Rowe/B. Grandy		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-021 - BAY D'LEAU BROOK BRIDGE - R215			
SUBSTRUCTURE					
Condition:	P3 - Poor	Bearings:	P3 - Poor		
		Bearing Seat:	P3 - Poor		
Comments:	Previous Inspection - Concrete abutments, pier and wingwalls. Moderate to severe cracking with efflorescence all components, disintegration with exposed rebar. Bearing are severely rusted and have some delamination of the steel. Bearing seat is cracking and covered with debris. Right side of Pier 1 is missing all protective armor stone. The steel ice protection is also rusted and broken along the bottom. New inspection - All concerns are persistent.				
SUPERSTRUCTURE					
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Previous Inspection - 5 WWF 1100 x 220 steel beams with steel bracing. Light to moderate rusting girders 1 and 5 both spans, some section loss up to 10%. Girders 2,3 and 4 severely rusted with section loss up to 40% (Measured on a previous inspection - not in 2021). Severe rusting of all bracing with some significant section loss. New inspection - All concerns are persistent. Again, section loss was not measured but is suspected to be worse from when it was measured. Still appears that girders 1 and 5 are in better condition than 2, 3, and 4.				
DECK					
Condition:	P1 - Poor	Curbs:	F2 - Fair		
Hand Rail:	P - Poor	Roadway Condition:	P1 - Poor		
Approach Rail:	P3 - Poor				
Comments:	200mm x 200mm timber deck with 50mm timber wearing surface. Hand rail is almost completely missing, still present in some areas of the right side. Raceway has deterioration and is in need of rehab. Potholes on all approaches. Approach 2 has steel broken, and rebar sticking up just before the deck. Guard rail has been slightly damaged in some areas. Heavy sand and salt build up on deck.				
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:	Tidal. No apparent issues of scouring.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$tbd	Replacement Cost:	\$tbd		
Recommendations:	Replace structure with panel bridge.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	No		
Additional Observations:	Abutments and pier constructed in 1965, superstructure replaced in 1990, deck replaced 2007.				