

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B08312023-9	
Date: 8/7/2023		Inspected By: Darrell Avery		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-017 - BUNYAN'S COVE BRIDGE - R233			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Previous inspection - Concrete abutments and wing walls. Concrete footings have severe scaling from salt water exposure. Abutments and wing walls have cracking and spalling with some efflorescence. Medium to severe scaling of abutment walls in tidal zone. there is possibly scour under the left side of abutment 1. The right side wing walls have scour repairs completed.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Previous inspection - Some light and moderate scaling and cracking is evident on the deck soffit and fascia. New inspection - right structure fascia cracks are widening & left side also has widened concrete cracks, spalling, disintegration with exposed rebar.				
DECK					
Condition:	F1 - Fair	Curbs:	P3 - Poor		
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	F2 - Fair				
Comments:	Previous inspection - Concrete bridge rail with no end blocks, right side rail is in good condition, left side is poor. Object marker on the right of abutment one is in poor condition. Asphalt wearing surface. Curb right has light scaling, curb left has significant disintegration with exposed rebar. A hole is forming behind abutment one left side in the asphalt - possible fill loss under the wing wall. Structure has deck drains. New inspection - deck surface asphalt has large pothole and possible concrete deterioration.				
HYDROLOGY					
Water Velocity:	1 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.5-1.0 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Unable to check for scour due to water levels. Scour repairs completed in 2011				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:			
Antic. Rehab. Cost:	\$\$150,000	Replacement Cost:	\$0		
Recommendations:	Concrete surface repair including structure fascia & curbs with end blocks and approach guiderail. Repair deck asphalt/concrete. Prevent further fill loss under wing walls with retaining structure or tremie concrete. Repair or replace bridge rail.				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:					