

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03262024-3	
Date: 9/6/2023		Inspected By: M Button / T Upshall		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-055 - BISCA Y BAY CAUSEWAY BRIDGE - R			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	F1 - Fair		
		Bearing Seat:	F1 - Fair		
Comments:	Very severe scour beneath west abutment footing exposing timber piles P1. Severe scour to NE abutment footing. Severe spall to NW corner of abutment/bearing seat. Light deformations to elastomeric bearings. Some bearings not visible. Exposed reinforcement in abutment footings and abutments. Narrow horizontal/vertical cracks in abutment face. Abutments in fair condition.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	F1 - Fair		
Comments:	Light to severe spalling exposing reinforcement with light/medium surface corrosion in all areas of girders from inadequate concrete cover. Corrosion to reinforcement in bottom flange of girders near bearing seat more severe. Medium spalling/honeycombing with exposed reinforcement to bottom of interior girders. Medium spalling/corrosion to reinforcement in deck soffit and diaphragms. Medium delamination to soffit, girders, and diaphragms.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Severe potholes with wide transvers asphalt cracks along expansion joints. Medium deformation to NE aluminum handrail. Structure does not have end blocks. There is a significant gap between aluminum handrail and approach/exit guiderail.				
HYDROLOGY					
Water Velocity:	Tidal m/s	Ice Problem:	N - No Problem		
Water Depth:	Tidal m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:					
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2024	Replacement Year:	2035		
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0		
Recommendations:	Repair all concrete defects. Install end blocks with structural guiderail and hazard markers. Resurface asphalt. Repair scour areas.				
OBSERVATIONS					
Overall Condition:	P1 - Poor	Requires Further Inspection:	Yes		
Additional Observations:	P1 Scour to abutment footings. P3 girders and asphalt surface. F1 Remainder.				