

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B03112026-1	
Date: 3/10/2026		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-055 - BISCAY BAY CAUSEWAY BRIDGE - R			
SUBSTRUCTURE					
Condition:	P1 - Poor	Bearings:	P3 - Poor		
		Bearing Seat:	P1 - Poor		
Comments:	- All wingwalls have moderate to severe scaling with local rust stains. - West abutment has a severe spall/disintegration to northwest corner bearing seat. Hairline cracks with medium efflorescence surrounds the area. Spall is adjacent to the exterior girder, P3 to P1. Local hairline cracks throughout the remainder of the abutment face. Very severe scour beneath west abutment footing exposing timber piles along the abutment's length. - East abutment has severe local scour to northeast section of the footing, P3. Hairline cracks with light efflorescence to the footing concrete immediately above. No other notable defects. - Styrofoam covers the area in front of most bearings. Visible bearings have medium to severe deformations.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	P - Poor		
Comments:	- All girders have small to moderate sized spalls exposing reinforcement with moderate to severe corrosion. At the bearing areas, the underside of the bottom flange has delaminations & spalls exposing reinforcement with severe corrosion. All girders have pattern rust stains on the underside of their bottom flange. Possible steel cover chairs. Many girders have severe honeycomb defects left from original construction. - Diaphragms have many severe local spalls exposing reinforcement with severe corrosion caused from low cover. - Deck soffit has numerous delaminations & spalls throughout. Some expose reinforcement with severe corrosion. - Expansion joints paved over with severe cracking in the asphalt surface. Curb caulking failed causing distress to elements below. Both joints assumed to be leaking.				
DECK					
Condition:	P3 - Poor	Curbs:	I - Inapplicable		
Hand Rail:	P3 - Poor	Roadway Condition:	P3 - Poor		
Approach Rail:	F1 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - Structure rail is four rail aluminum system on posts. Local damage to rails and posts on the northeast corner, P3. Minor dents and scrapes throughout remainder. Many rail end caps missing or damaged, F1. - Guiderail not of type guiderail structures. Large gap between structure rail and guiderail. Posts weathered with some splitting, F1. Northeast corner guiderail tipped towards ditching, F1 to P3. All hazard markers missing. - No curbs or end blocks. - Asphalt surface has a wide transverse cracks/pothole over both paved over expansion joints, P3. F1 remainder.				
HYDROLOGY					
Water Velocity:	~1 m/s	Ice Problem:	N - No Problem		
Water Depth:	> 3 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Very severe scour to west abutment footings exposing timber piles.				
REPLACEMENT/REHABILITATION					

Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$	Replacement Cost:	\$
Recommendations:	- May need a small rehabilitation before replacement - Repair abutment northwest corner, pump tremie concrete for abutment footings and install hazard markers.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- P1 Scour to abutment footings. P3 girders, deck and asphalt surface. F1 Remainder. - Utility attached to downstream/south side of structure.		

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.