

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02182025-5	
Date: 2/12/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-368 - JEFFERY'S BRIDGE - R80-29			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	F1 - Fair		
Comments:	- All wingwalls have isolated hairline cracks with very light efflorescence and widespread light scaling, F1. - Bearing seat perimeter free of significant defects, F1. - No bearings. Concrete deck on concrete abutments. - Abutments faces have light efflorescent material leaching from bearing seat causing staining. Suspect the buried end of the deck is cracked/disintegrated. - Abutments faces have hairline cracks throughout with sporadic areas of honeycombs and cold joints from original construction, F1. - Exposed concrete footings have moderate concrete erosion at the waterline, F1.				
SUPERSTRUCTURE					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	- Both deck fascias have hairline map cracks throughout, F1 - Deck soffit has widespread honeycombs and other concrete consolidation issues remaining from original construction. Large boulders visible in deck soffit. Deck soffit F1. - Deck slab on abutments, No expansion joints.				
DECK					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	P - Poor	Roadway Condition:	U - Uninspectable		
Approach Rail:	I - Inapplicable				
Comments:	*Assumed condition of deck top (covered in snow) based on condition of deck soffit below. - Curb exteriors have hairline map cracks throughout, F1 - Structure rail is original concrete railing. Two rails disintegrated leaving only the reinforcing steel, P. Remaining rails and posts have hairline cracks throughout, F1. - No approach rail/guiderail. - Roadway snow covered and not inspectable. - No hazard markers.				
HYDROLOGY					
Water Velocity:	< 1 m/s	Ice Problem:	K - Known Problem		
Water Depth:	< 1 m	Scour Problem:	P - Possible Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Area is tidal and right on the harbour front. Water levels appear to rise and fall roughly 1m.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2030	Replacement Year:	2050		
Antic. Rehab. Cost:	\$120,000	Replacement Cost:	\$1,000,000		
Recommendations:	- Local concrete repairs - New structure rails - Install hazard markers				
OBSERVATIONS					
Overall Condition:	F1 - Fair	Requires Further Inspection:	No		
Additional Observations:	Bridge in fair condition.				