

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B02182025-6	
Date: 2/13/2025		Inspected By: T Upshall / M Button		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		1-020 - O'DONNELL'S BRIDGE - R94			
SUBSTRUCTURE					
Condition:	F2 - Fair	Bearings:	F2 - Fair		
		Bearing Seat:	F2 - Fair		
Comments:	- Wingwalls have local staining and hairline map cracks around seals. Seals through jersey barriers leaking, F1. Wingwalls F2 remainder. - Abutments have light staining to the concrete surface at the waterline level, F2. - Bearings and bearing seat have no significant defects, F2.				
SUPERSTRUCTURE					
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	- Semi-integral structure, no typical expansion joints. - Deck soffit has isolated hairline cracks, F2. - Girders have no significant defects, F2.				
DECK					
Condition:	F2 - Fair	Curbs:	I - Inapplicable		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F2 - Fair				
Comments:	*Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. - No curbs. - Exterior vertical faces of the curb - Structure rails are cast-in-place jersey barriers. All barriers have hairline vertical cracks, F1. - Approach rail/guiderail has no significant defects, F2. - Asphalt has no significant defects, F2. - Hazard markers installed but not as per specification.				
HYDROLOGY					
Water Velocity:	> 1 m/s	Ice Problem:	N - No Problem		
Water Depth:	> 3 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	- Concrete runoff ditches undermined on both sides from tidal action. - Deep fast flowing tidal channel under the bridge.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:	2035	Replacement Year:	2100		
Antic. Rehab. Cost:	\$100,000	Replacement Cost:	\$5,000,000		
Recommendations:	- Replace hazard markers. - Install tremie concrete or riprap under and around runoff ditches. - Caulk all joints. - Local concrete repairs				
OBSERVATIONS					
Overall Condition:	F2 - Fair	Requires Further Inspection:	No		
Additional Observations:					