

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05032022-1	
Date: 4/8/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-023 - NORTH ARM RIVER BRIDGE #2 - R60		
SUBSTRUCTURE			
Condition:	P1 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	- Moderate scour on the northeast corner foundation and wide horizontal cracks throughout, P3. Northeast abutment corner has wide cracks with mild disintegration, F1. - Moderate cracks in isolated locations otherwise on both abutments, F1. - The northeast wingwall has a large structural crack and has tilted towards the east. Large boulder undermined in area, region to monitor for progression, P1. - The northwest wingwall is also tipped but not as severe. - The southwest wingwall has large vertical cracks throughout.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	- East fascia has light disintegration throughout, F1. - East side of the deck soffit has moderate cracks with efflorescence, P3. Soffit otherwise F2. - West fascia in good condition.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	- End blocks and guiderail recently rehabbed and in good condition. Rail low on northwest corner.		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	2 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:	- Moderate scour on northeast corner of abutment footing.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2023	Replacement Year:	2035
Antic. Rehab. Cost:	\$50,000	Replacement Cost:	\$2,000,000
Recommendations:	- Replace both north wingwalls.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	Bridge overall F1, areas in worst condition noted above. Reported the northwest wingwall to the chief bridge engineer for a rehab. - Good location to park on the northwest side of structure.		