

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05282019-4	
Date: 5/28/2019	Inspected By: Pickett R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-023 - NORTH ARM RIVER BRIDGE #2, ROUTE 60		
Route:		Overall Length:	24.1 m
Year Built:	1926	Est: No	Overall Width: 0 m
Year Last Rehab.:		Est: No	Roadway Width: 0 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	0 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0 m
Purpose of Structure:	04 - Over Non-Navigable Waters		
Type of Handrail:	03 - Timber Rail	Spans:	
Roadway Surface:	02 - Asphalt	<u>Span No.:</u>	<u>Length</u>
Alignment Vertical:	01 - Good	1	15.2
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Severe spalling to footing at North East and South West ends. Severe scouring under North footing and North West wing wall. Wide longitudinal cracks in North footing. Severe spalling wide cracks at wing wall to abutment joints at North West corner. Medium/wide cracks in all wingwall and abutments		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Rehabbed in 2018. New upstream curbs. Repaired downstream curbs. New steel railing and end blocks		
DECK			
Condition:	F2 - Fair	Curbs:	G - Good

Hand Rail:	G - Good	Roadway Condition:	G - Good
Approach Rail:	G - Good		
Comments:	Narrow cracks to deck soffit. All new steel railing and end blocks.		
HYDROLOGY			
Water Velocity:	0.8 m/s	Ice Problem:	N - No Problem
Water Depth:	0.8 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Erosion at slopes on all corners.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2019	Replacement Year:	2030
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$1500
Recommendations:	Monitor scoured footing.		
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	Timber crib was partially filled with concrete to stop material from eroding out of the bottom.		
LEGEND:			
Condition Definitions:		Problem Definitions:	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● Any item which inspector feels should be documented by photograph ● All items noted above as being P3, P1, P, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			