

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B09172021-8</b>	
<b>Date:</b> 2/6/2020	<b>Inspected By:</b> Hunt R	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	1-049 - NORTHWEST RIVER BRIDGE, TREPASSEY		
<b>Route:</b>		<b>Overall Length:</b>	37.8 m
<b>Year Built:</b>	1971	<b>Est:</b> No	<b>Overall Width:</b> 12.3 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 10.1 m
<b>Region:</b>	AVALON PENINSULA	<b>Sidewalk Width:</b>	1.5 m
<b>Jurisdiction:</b>	Provincial	<b>Clearance to R.D. or N.W.L.:</b>	3 m
<b>Type of Structure:</b>	01 - AASH to Girder	<b>Max Depth of N.W.L.:</b>	0 m
<b>Purpose of Structure:</b>	04 - Over Non-Navigable Waters	<b>Spans:</b>	
<b>Type of Handrail:</b>	02 - Concrete Rail	<b>Span No.:</b>	<b>Length</b>
<b>Roadway Surface:</b>	02 - Asphalt	1	29.6
<b>Alignment Vertical:</b>	01 - Good	2	0
<b>Alignment Horizontal:</b>	01 - Good	3	0
<b>Restrictions:</b>	No	<b>Span No.:</b>	<b>Length</b>
		4	0
		5	0
		6	0
<b>BRIDGE PHOTOS</b>			
			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Bearings:</b>	F2 - Fair
		<b>Bearing Seat:</b>	F2 - Fair
<b>Comments:</b>	- G (rehabbed sections), F1 (remainder). - Medium erosion and very wide horiz./vert. cracks in original sections of footings. - Medium to long trans. cracks in bearing seats and numerous med. map cracks, delamin. and med. efflor. deposits in wingwalls. - Numerous wide horiz./vert. cracks with med efflor. deposits in un rehabbed section of abutments		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	F1 - Fair	<b>Expansion Joints:</b>	F2 - Fair
<b>Comments:</b>	- Narrow/ medium longit. cracks in bottom flanges of all girders especially exterior girders.		
<b>DECK</b>			
<b>Condition:</b>	F1 - Fair	<b>Curbs:</b>	F1 - Fair

<b>Hand Rail:</b>	F2 - Fair	<b>Roadway Condition:</b>	F1 - Fair
<b>Approach Rail:</b>	F2 - Fair		
<b>Comments:</b>	- Curbs: G (curbs over wings), F1 (remainder). - Narrow trans./ vert. cracks in curb surfaces and fascia. - Narrow trans. cracks with light efflor. deposits in deck soffit. - Southeast and northwest hazard markers gone off posts. - Small potholes in deck approach asphalt.		
<b>HYDROLOGY</b>			
<b>Water Velocity:</b>	tidal m/s	<b>Ice Problem:</b>	N - No Problem
<b>Water Depth:</b>	tidal m	<b>Scour Problem:</b>	N - No Problem
<b>Waterway:</b>	01 - Adequate	<b>Debris Problem:</b>	N - No Problem
<b>Comments:</b>	- Some moderate slope erosion on all 4 corners of structure.		
<b>REPLACEMENT/REHABILITATION</b>			
<b>Next Rehab. Date:</b>	2021	<b>Replacement Year:</b>	2030
<b>Antic. Rehab. Cost:</b>	\$50	<b>Replacement Cost:</b>	\$1200
<b>Recommendations:</b>	- Repair concrete defects and shoulder erosion. - Install 2 missing hazard markers.		
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b>	- G (rehabbed sections), F1 (remainder).		
<b>LEGEND:</b>			
<b>Condition Definitions:</b>		<b>Problem Definitions:</b>	
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.		
<b>Category Definitions:</b>			
		Maint. - Maintenance.	
		Eng. - Engineering.	
		Office - Bridge Office.	
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			