

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06042019-3	
Date: 6/4/2019	Inspected By: Pickett R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-291 - ROBINSONS RIVER BRIDGE		
Route:	20	Overall Length:	11.8 m
Year Built:	1960	Est: Yes	Overall Width: 8.5 m
Year Last Rehab.:	1975	Est: Yes	Roadway Width: 7.5 m
Region:	AVALON PENINSULA		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.1 m
Type of Structure:	04 - Rigid Frame	Max Depth of N.W.L.:	0.3 m
Purpose of Structure:	04 - Over Non-Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	7.7
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	02 - Adequate	3	0
Restrictions:	No	<u>Span No.:</u>	<u>Length</u>
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	I - Inapplicable
		Bearing Seat:	I - Inapplicable
Comments:	Original structure has been extended approximately 6m downstream. Structure rehabbed 2017. Medium erosion along bottom of North frame leg extensions.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Wide cracks North East /North West frame leg cover, light honey combing and flow lines on North face leg. Medium honey combing in face of original south frame leg. Effloresce deposits upstream deck soffit. Structure rehabbed 2017.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair

Hand Rail:	F1 - Fair	Roadway Condition:	F1 - Fair
Approach Rail:	G - Good		
Comments:	Medium Spalding/ narrow longitudinal/ transverse cracks with light effloresce upstream and downstream soffit legs. No hazard markers, new bridge railing installed 2017 on all four corners.		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.4 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Scour repaired in 2017 bridge rehab.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2019	Replacement Year:	2030
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$500
Recommendations:			
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			
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			