

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01192021-21	
Date: 5/26/2020	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-129 - BALAM'S RIVER BRIDGE		
Route:	440	Overall Length:	61.5 m
Year Built:	1955	Est: No	Overall Width: 9.1 m
Year Last Rehab.:	1998	Est: No	Roadway Width: 7.3 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0.8 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	4 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 5 m
Purpose of Structure:	03 - Over Navigable Waters		Spans:
Type of Handrail:	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
Roadway Surface:	02 - Asphalt	1	18.2 4 0
Alignment Vertical:	01 - Good	2	24.5 5 0
Alignment Horizontal:	03 - Poor	3	18.2 6 0
Restrictions:	No		
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P3 - Poor	Bearings:	P3 - Poor
		Bearing Seat:	P3 - Poor
Comments:	Corrosion on all bearings, piers, severely scoured, severe vertical crack extending through center pier near center bearing, delamination and cracking on both abutment wall, efflorescence present		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	G - Good
Comments:	Cracking through superstructure, longitudinal cracking girders, severe deterioration of center piers, moderate to severe cracking of abutments		
DECK			
Condition:	G - Good	Curbs:	G - Good

Hand Rail:	F2 - Fair	Roadway Condition:	G - Good
Approach Rail:	F2 - Fair		
Comments:	Top rail downstream damaged, no structural rail delamination of asphalt surface		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			
OBSERVATIONS			
Overall Condition:	P3 - Poor	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 sees 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			