

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B01182021-5	
Date: 5/27/2020	Inspected By: Mike Fleming	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-168 - HUGHES BROOK		
Route:	440	Overall Length:	16.9 m
Year Built:	1955	Est: No	Overall Width: 8.9 m
Year Last Rehab.:		Est: No	Roadway Width: 7.4 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2.2 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab		Max Depth of N.W.L.: 2 m
Purpose of Structure:	03 - Over Navigable Waters		Spans:
Type of Handrail:	02 - Concrete Rail		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	10.8
Alignment Horizontal:	01 - Good	2	0
Restrictions:	No	3	0
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	P1 - Poor	Bearings:	P1 - Poor
		Bearing Seat:	P1 - Poor
Comments:	Severe spalling, shear cracking west abutment		
SUPERSTRUCTURE			
Condition:	P1 - Poor	Expansion Joints:	I - Inapplicable
Comments:	Severe spalling on two beams with rebar exposed on two of the three beams. Efflorescence deposits on all beams		
DECK			
Condition:	P1 - Poor	Curbs:	P1 - Poor
Hand Rail:	P1 - Poor	Roadway Condition:	P1 - Poor

Approach Rail:	P1 - Poor		
Comments:	Severe deterioration on curb and concrete rail, no structural rail		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	K - Known 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:	Scheduled for replacement		
OBSERVATIONS			
Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations:	Scheduled for replacement. Pictures on file.		
LEGEND:			
Condition Definitions:			
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Problem Definitions:
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.
G - Good.	P - Poor.		NA - Not Applicable.
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			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.