





	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B02032020-9	
Date: 2/3/2020	Inspected By: Alex Ford	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	2-058 - TIDES BROOK BRIDGE		
Route:	222	Overall Length:	36 m
Year Built:	1975	Overall Width:	10.5 m
Year Last Rehab.:		Roadway Width:	9.5 m
Region:	CENTRAL EAST	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	1.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	01 - Concrete	1	25
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Concrete abutments and wingwalls. Some light cracks with efflorescence. Large crack wingwall abutment two right at construction joint. Bearing pads showing some squat and cracks. Debris on bearing seat.		

SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	P3 - Poor
Comments:	6 AASHTO girders, minor rebar exposed, light cracking. Expansion joints leaking, dams and armour broken, disintegration around the curb sections.		
DECK			
Condition:	P3 - Poor	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	P3 - Poor		
Comments:	Exposed concrete deck, moderate to severe map cracking. 4 rail aluminum hand rail with concrete endblocks, some impact scrapes, endblocks map cracking. Approach rail not connected to structure, no structural rail, posts rotting. Light cracking of curbs, deterioration around expansion sections.		
HYDROLOGY			
Water Velocity:	1.5 m/s	Ice Problem:	N - No Problem
Water Depth:	1.5 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Rehab structure. Latex repairs, full deck overlay, expansion joints, repave approaches, endblock replacement, new guide rail.		
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 feels should be documented by photograph ● All items noted above as being F3, P1, P2, or C ● Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			