

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B05292019-2	
Date: 5/29/2019	Inspected By: Hunt R	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	1-141 - KELLIGREWS RIVER BRIDGE		
Route:		Overall Length:	19.8 m
Year Built:	1982	Est: No	Overall Width: 1.25 m
Year Last Rehab.:		Est: No	Roadway Width: 8.5 m
Region:	AVALON PENINSULA	Sidewalk Width:	2 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	1.5 m
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	0.4 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	10.4
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Assumed condition of buried/submerged reinforcement concrete abutment footings. Narrow vertical cracks in faces of abutment and wingwall and ballast walls.		
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	F1 - Fair
Comments:	Asphalt plug expansion joint wearing with light rusting. Some minor leakage in plug joint resulting in staining on East ballast wall and abutment wall. Some medium wide horizontal vertical cracks in extension retaining block.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair

Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	I - Inapplicable		
Comments:	Light rusting on asphalt on decks and approaches. Narrow vertical transverse cracks on surface facials of curb/sidewall. Minor dents and scrapes on aluminum hand rail with one section of aluminum rail disconnected on upstream end. Sleeve needs to be reinstated numerous cracks in all 4 end blocks. Wide trans cracks medium spalling and settlement to concrete sidewalk.		

HYDROLOGY

Water Velocity:	0.4 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:	Install approach exit rail C/W hazard markers where possible. Repair concrete wheel clear ramp.		

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2019	Replacement Year:	2019
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			

OBSERVATIONS

Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			

LEGEND:

Condition Definitions:			Problem Definitions:	Category Definitions:
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.	Maint. - Maintenance.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.	Eng. - Engineering.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.	Office - Bridge Office.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.	
G - Good.	P - Poor.			

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:

- 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