

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B09102021-8	
Date: 8/26/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	1-128 - CHANCE COVE RIVER BRIDGE,CAPPAHAYDN		
Route:		Overall Length:	20.5 m
Year Built:	1978	Est: No	Overall Width: 10.7 m
Year Last Rehab.:		Est: No	Roadway Width: 10 m
Region:	AVALON PENINSULA	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3 m
Type of Structure:	02 - Double Tee	Max Depth of N.W.L.:	0.5 m
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:	
Type of Handrail:	01 - Aluminum Rail	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	8.5
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	P3 - Poor
Comments:	- Upstream bearing areas have deterioration to the creep block joints. Attempts have been made to seal it in the past with chaulking but water is still deteriorating the joint, P3. - Other than what was mentioned above, bearings look to be in fair condition but cannot be inspected. Leakage only seen on upstream exterior. - All wingwalls have light-medium cracking with efflorescence. - Both abutments have light erosion/scour to the footing/abutment construction joint. Face in fair condition. Substructure F1.		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	U - Uninspectable
Comments:	- Most double tees have stirrups showing on some portion of them due to low/no cover, F1. - Leaking evident with efflorescence between double tee pre-cast panel sections indicative of cracking in the deck above, P3. Mid structure double tee pre-cast panel is showing the rebar mat at mid-span, P3. - Expansion joints have evidences of leaking but not inspect able.		

DECK			
Condition:	I - Inapplicable	Curbs:	I - Inapplicable
Hand Rail:	I - Inapplicable	Roadway Condition:	I - Inapplicable
Approach Rail:	I - Inapplicable		
Comments:	- Curbs, asphalt, potentially parts of the deck, and handrail currently being replaced. - During rehab, mid span of deck was identified as gravel (no concrete overlay atop precast panels).		
HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0.3 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- Rip-rap intact on structure corners. - Light-mild scour/erosion to waterline concrete.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2024	Replacement Year:	2035
Antic. Rehab. Cost:	\$250000	Replacement Cost:	\$1000000
Recommendations:	- Rehab ongoing at time of inspection. - Deck rehab needed for this structure due to leaking between pre-cast sections, deck rehab being debated at time of report entry.		
OBSERVATIONS			
Overall Condition:	P3 - Poor	Requires Further Inspection:	No
Additional Observations:	- Leaking between pre-cast panels P3 and exterior upstream bearing areas, F1 remainder. - Deck/curb area currently getting a rehab some scope being debated. - Monitor double tees and deck leakage. - Hazards, steep slopes and traffic.		
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.		
PHOTO GUIDELINES:		Category Definitions:	
Inspection Photos:		Maint. - Maintenance.	
Please provide photos using guidelines below:		Eng. - Engineering.	
<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 		Office - Bridge Office.	
INSPECTION PHOTOS			