Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE	BRIDGE INSPECTION REPORT B12072021-6				
Date: 10/28/2021			Category: Office - Bridge Office					
BRIDGE INFORMATION								
Site:	5-069 - BEAVER BRO	OK BRIDGE						
Route:	510		O	verall Leng	th:	40.6 <b>m</b>		
Year Built:	2002	Est: No	O	verall Width	ı:	12.3 <b>m</b>		
Year Last Rehab.:		Est: No	R	badway Wie	dth:	11.1 <b>m</b>		
Region:	LABRADOR		-	dewalk Wic		0 <b>m</b>		
Jurisdiction:	Provincial		-	earance to W.L.:	R.D. or	6 <b>m</b>		
Type of Structure:	05 - Pre-stressed Conc	crete Slab	M	ax Depth of	N.W.L.:	2 m		
Purpose of Structure:	04 - Over Non-Navigab	ble Waters	S	oans:				
Type of Handrail:	01 - Aluminum Rail		<u>S</u>	pan No.:	Length	Span No.:	<u>Length</u>	
Roadway Surface:	01 - Concrete		1		20	4	0	
Alignment Vertical:	01 - Good		2		0	5	0	
Alignment Horizontal:	01 - Good		3		0	6	0	
Restrictions:	No							
SUBSTRUCTURE								
Condition:	G - Good	Bea	rings:	F2 - F	air			
Condition:	G - Good		rings: ring Seat:	F2 - F F2 - F				
Condition: Comments:	- Wingwalls in good co the footing to abutmen		ring Seat: as small erosion ho outment concrete in	F2 - F	air northeast d			
Comments:	- Wingwalls in good co the footing to abutmen	Bea Indition. North abutment h t CJ, F2. Remainder of al	ring Seat: as small erosion ho outment concrete in	F2 - F	air northeast d			
	- Wingwalls in good co the footing to abutmen	Bea ondition. North abutment h t CJ, F2. Remainder of al and assumed to be in go	ring Seat: as small erosion ho outment concrete in	F2 - F	air northeast d tion Bea			

G - Good	Curbs:	G - Good				
P3 - Poor	Roadway Condition:	G - Good				
P3 - Poor						
- Approach/exit guiderail has lost corrugation in most sections, many posts are spilt/damaged/cracked off, are connected to end blocks, complete with hazard markers and do not have collision dampening posts prior to end blocks Approach/exits are gravel road and in good condition (Dynamic) road was just graded No asphalt, concrete deck in good condition. No deck drains Curbs in good condition Handrails have tears from the flyer on the southwest corner. East side has several area of severe denting, P3.						
0.5 <b>m/s</b>	Ice Problem:	N - No Problem				
0.5 <b>m</b>	Scour Problem:	N - No Problem				
01 - Adequate	Debris Problem:	N - No Problem				
<ul> <li>Recommend the placement of rip-rap on riverside abutment faces. Upstream and downstream rip-rap in good condition and has good placement. Water level appears to rise at least 2m during flood events based on abutment concrete stains. No scour under footings, felt along bottom with a pole.</li> </ul>						
ILITATION						
2026	Replacement Year:	2070				
\$40,000	Replacement Cost:	\$1,800,000				
<ul> <li>- 2022 - Clean expansion joint seals (Maintenance) 2026 - Replace handrail in isolated sections and replace al guiderail. Recommend replacing rubber seals with asphaltic plug joints as structure is on a gravel road.</li> <li>Recommend the installation of deck drains. Place rip-rap on riverside abutment faces.</li> </ul>						
G - Good	Requires Further Inspection:	No				
- Hazards steep slopes, and mild traffic	С.					
F2 - Fair.       C - Unsafe (Clos         F1 - Fair.       U - Uninspectab         P3 - Poor.       I - Inapplicable.         P1 - Poor.       P - Poor.         P - Sor.       P - Poor.         P - Sor.       P - Poor.         P - Sor.       P - Poor.	le. P - Poss K - Knov	<u>Definitions:</u> <u>Category Definitions:</u> roblem. Maint Maintenance. ible Problem. Problem. Office - Bridge Office. Applicable.				
	P3 - Poor P3 - Poor - Approach/exit guiderail has lost corru- connected to end blocks, complete wit blocks Approach/exits are gravel roa concrete deck in good condition. No de on the southwest corner. East side has 0.5 m/s 0.5 m 01 - Adequate - Recommend the placement of rip-rap condition and has good placement. Wa abutment concrete stains. No scour un <b>ILITATION</b> 2026 \$40,000 - 2022 - Clean expansion joint seals (N guiderail. Recommend replacing rubbe Recommend the installation of deck dr G - Good - Hazards steep slopes, and mild traffic P1 - Poor. P - Poor. C - Unsafe (Clos	P3 - Poor       Roadway Condition:         P3 - Poor       - Approach/exit guiderail has lost corrugation in most sections, many connected to end blocks, complete with hazard markers and do not h blocks Approach/exits are gravel road and in good condition (Dyna concrete deck in good condition. No deck drains Curbs in good cor on the southwest corner. East side has several area of severe dentineed to end blocks.         0.5 m/s       Ice Problem:         0.5 m/s       Ice Problem:         0.5 m       Scour Problem:         0.1 - Adequate       Debris Problem:         - Recommend the placement of rip-rap on riverside abutment faces. condition and has good placement. Water level appears to rise at lead abutment concrete stains. No scour under footings, felt along bottom         ILITATION       2026         Q22       Clean expansion joint seals (Maintenance) 2026 - Replace guiderail. Recommend replacing rubber seals with asphaltic plug join Recommend the installation of deck drains. Place rip-rap on riverside         G - Good       Requires Further Inspection:         - Hazards steep slopes, and mild traffic.       Problem:         PI - Fair.       C - Unsafe (Closed to Public):       Problem: Problem: Problem:         P - Poor.       P - Nord       P - Nord				