

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B07032024-1	
Date: 7/2/2024		Inspected By: D. Burns/J. Rowe		Category: Eng. - Engineering	
BRIDGE INFORMATION					
Site:		2-124 - BURNSIDE BAILEY BRIDGE - R310-37-3			
SUBSTRUCTURE					
Condition:	F1 - Fair	Bearings:	U - Uninspectable		
		Bearing Seat:	U - Uninspectable		
Comments:	Bearings are seated on flat rock fill and covered with sand. Previous inspection noted that some rocks have fallen into the streambed and losing material in those areas. Old steel beams are buried in sand to serve as retaining walls/abutments. Abutment 1 left steel beam is now exposed and signs of movement are evident.				
SUPERSTRUCTURE					
Condition:	P3 - Poor	Expansion Joints:	I - Inapplicable		
Comments:	Previous inspection - Four panel old style Bailey with top chord reinforcing. Moderate rusting of the panels and chord reinforcing, no major section loss. 11 transom beams, one at each end used for fill retention only. 7 transoms and all sway braces replaced in 2015. Panels 3 and 4 - left, have impact damage including Panel 3 on left side has broken steel cross bracing. New inspection - All concerns are persistent with previous inspection with worsening of rusting throughout the structure.				
DECK					
Condition:	F2 - Fair	Curbs:	P3 - Poor		
Hand Rail:	I - Inapplicable	Roadway Condition:	F2 - Fair		
Approach Rail:	I - Inapplicable				
Comments:	50mm x 200mm timber chesses, 50mm timber wearing surface, 150mm x 150mm timber curbs all replaced 2015. All hazard markers are either missing, damaged or in the wrong location. Left curb bolt are pressed into the timber curb and as a result, the curb is split in the middle.				
HYDROLOGY					
Water Velocity:	+/-0.5 m/s	Ice Problem:	N - No Problem		
Water Depth:	0.5 m	Scour Problem:	N - No Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Salt water, stream changes direction of flow under bridge with the tide. Since the water is continuously flowing back and forth, it appears that gas and exhaust fumes from the nearby boats are collecting at this location.				
REPLACEMENT/REHABILITATION					
Next Rehab. Date:		Replacement Year:			
Antic. Rehab. Cost:	\$TBD	Replacement Cost:	\$TBD		
Recommendations:	Replace hazard markers. Replaced wearing timbers. Replace/Repair damaged panels. Install class II rip rap and use rock fill to repair fill loss.				
OBSERVATIONS					
Overall Condition:	P3 - Poor	Requires Further Inspection:	No		
Additional Observations:	load restriction 25t. sign is only on abutment 1 side of bridge.				

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.