

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B12092021-1	
Date: 10/29/2021	Inspected By: Mike Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	5-083 - TRAVESPINE TRIBUTARY		
Route:	500	Overall Length:	39.6 m
Year Built:	2009	Est: No	Overall Width: 12 m
Year Last Rehab.:		Est: No	Roadway Width: 10.6 m
Region:	LABRADOR	Sidewalk Width:	0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	3.2 m
Type of Structure:	08 - Steel Bridge	Max Depth of N.W.L.:	0.5 m
Purpose of Structure:	03 - Over Navigable Waters	Spans:	
Type of Handrail:	04 - Steel Rail	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	01 - Concrete	1	25
Alignment Vertical:	01 - Good	2	0
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	G - Good	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	- Bearings and bearing seats too high for inspection but assumed to be in fair condition. Abutments have very light waterline erosion to the concrete surface. Wingwalls in good condition.		
SUPERSTRUCTURE			
Condition:	G - Good	Expansion Joints:	F2 - Fair
Comments:	- Five girders and all braces have mild corrosion to all surfaces viewing from abutment corners. Girders and braces over abutments painted. Bottom of deck concrete in excellent condition. Superstructure G. - No traditional expansion joints, semi-integral bridge.		
DECK			
Condition:	F2 - Fair	Curbs:	G - Good
Hand Rail:	G - Good	Roadway Condition:	F1 - Fair
Approach Rail:	F1 - Fair		
Comments:	- Approach/exit rails have damage to their ends with some damaged posts, complete with hazard markers, connected to end blocks and have collision dampening posts prior to end blocks. There is also a small erosion hole on northeast exit. - End blocks in good condition. - Approach asphalt has moderate to severe map cracking and a wide transverse crack at the joint to the north approach slab. - Approach asphalt has several wide transverse cracks at the joint to the south approach slab. - North approach slab has several a wide crack near the centerline. - Curbs in good condition. - Steel handrails in good condition. - Deck concrete in fair condition with aggregate colors showing throughout. - No deck drains.		

HYDROLOGY			
Water Velocity:	0.5 m/s	Ice Problem:	N - No Problem
Water Depth:	0.3 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	- No scour suspected. Consider placement of rip-rap on riverside face of abutments. Abutment corner rip-rap has good positioning.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:	2026	Replacement Year:	2070
Antic. Rehab. Cost:	\$15,000	Replacement Cost:	\$1,500,000
Recommendations:	- Replace guiderail posts and rail as required. Patch potholes as required (maintenance).		
OBSERVATIONS			
Overall Condition:	G - Good	Requires Further Inspection:	No
Additional Observations:	- Hazards steep slopes, and light 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.		
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 P3, P1, P, or C • Any evidence of known ice, scour, debris, waterway problems 			
INSPECTION PHOTOS			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2021.