Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B11232021-1						
Date: 10/26/2021	Inspected By: Mike But	tton	Category: Office - Bridge Office						
BRIDGE INFORMATION									
Site:	5-009 - FORTEAU BROO	K BRIDGE							
Route:				Overall Leng	th:	61.3 <b>m</b>			
Year Built:	1969	Est: No		Overall Width:		8 <b>m</b>			
Year Last Rehab.:	2005	Est: No		Roadway Width:		7.6 <b>m</b>			
Region:	LABRADOR			Sidewalk Wi	dth:	0 <b>m</b>			
Jurisdiction:	Provincial		Clearance to R.D. c N.W.L.:		R.D. or	4.9 <b>m</b>			
Type of Structure:	08 - Steel Bridge			Max Depth o	f N.W.L.:	0 <b>m</b>			
Purpose of Structure:	04 - Over Non-Navigable	Waters		Spans:					
Type of Handrail:	04 - Steel Rail			Span No.:	<u>Length</u>	Span No.:	Length		
Roadway Surface:	03 - Timber			1	61.3	4	0		
Alignment Vertical:	01 - Good			2	0	5	0		
Alignment Horizontal:	01 - Good			3	0	6	0		
Restrictions:	No								
	2006/10/29		2005/10/29						
Condition:	G - Good	Bea	rings:	U - Ur	ninspectab	le			
			•						
Comments:	Bearing Seat: U - Uninspectable - Both abutments have hairline map cracking throughout and are in good condition, G Bearing seats have a heavy accumulation of gravel and have vegetation growth coming from the material. Bearings not entirely inspect able due to gravels.								
SUPERSTRUCTURE									
Condition:	F1 - Fair	Exp	ansion Joints:	F1 - F	air				
Comments:	- Southwest interior truss member (start of bridge) has two moderate dents/impacts in two different above/below locations, F1 Under the bridge, both stingers on either side of the centerline and the mid-point of the girders have light to moderate corrosion to the member (especially the top flanges that contact the timber deck) all connective bolts and severe corrosion to the 6x6 transverse timber deck beam clips Transverse stringer braces and its connections also have light to moderate corrosion to connective angles and bolts. Condition of members/components in the previous statements are in slightly worse condition at structure entrances which is to								

	be expected Main top and bottom chord members, nodes and gusset plates visually inspected and in good condition with no bolts observed to be missing From the second bottom node from the east approach on th north side of the bridge, both branching members have minor dents likely from the flyer, F1.								
DECK		-		-	-				
Condition:	P3 - Poor	Curbs:		F2 - Fair					
Hand Rail:	P3 - Poor	Roadway C	ondition:	P3 - Poor					
Approach Rail:	F2 - Fair								
Comments:	- Approach asphalt in fair condition, with mild cracking/potholes at the abutment asphalt joint Structure handrail in good condition overall but some posts appear to have rotten cores, P3 Approach/exit guiderails in fair condition complete with extra energy dampening posts prior to the trusses and hazard markers Timber wearing surface has mild-medium deterioration to centerline timbers. Many timbers are cracked/split and have sections missing, P3 Transverse 6x6 creosote timbers have moderate to severe splitting are worn out, especially on the east section of the deck, P3. Most timbers have been replaced elsewhere with 6x6 pressure treated lumber.								
HYDROLOGY									
Water Velocity:	0 <b>m/s</b>	Ice Probler	n:	N - No Prob	lem				
Water Depth:	0 <b>m</b>	Scour Prot	olem:	N - No Problem					
Waterway:	01 - Adequate	Debris Pro	blem:	N - No Prob	lem				
Comments:									
REPLACEMENT/REHAB	ILITATION								
Next Rehab. Date:	2023	Replaceme	nt Year:	2040					
Antic. Rehab. Cost:	\$30,000	Replaceme	nt Cost:	\$3,000,000					
Recommendations:	- Remove all materials from the bearing seats to remove the concrete and steel Replace wearing surface timbers as required, select members along the center line Replace 6x6 creosote timbers supporting the wearin surface Replace clips to girders/stringers as 6x6 decking is replaced Replace various handrail posts on the structure.								
OBSERVATIONS									
Overall Condition:	F1 - Fair	Requires F Inspection		No					
Additional Observations:	- Crew on site day of inspection replacing various sections of the structures handrail Traffic control needed for inspection Hazards mild slopes and traffic Inspection under the bridge limited to binoculars from each abutment under the bridge.								
EGEND: ondition Definitions: 1 * "Good - [discontinued code]. 2 * "Fair - [discontinued code]. 3 - "Poor - [discontinued code]. G - Good. HOTO GUIDELINES: <u>ispection Photos:</u> Please provide photos using guidelin Any nem writch in Spector n Any evidence of known ice,	F2 - Fair. F1 - Fair. P3 - Poor. P1 - Poor. P - Poor. P - Poor. esis snoulo pe accumentea by pn aina P3. P1. p. or C	C - Unsafe (Closed to Public). U - Uninspectable. I - Inapplicable.	N - No F P - Pos: K - Kno	n Definitions: Problem. sible Problem. wn Problem. ot Applicable.	Category Definitions: Maint Maintenance. Eng Engineering. Office - Bridge Office.				
Any evidence of known ice, INSPECTION PHOTOS	, scour, debris, waterway problem	S							

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