Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B12072021-3				
Date: 10/28/2021	Inspected By: Mike Button		Са	Category: Office - Bridge Office			
BRIDGE INFORMATION	l						
Site:	5-067 - SOUTH FEE	EDER BRIDGE					
Route:	500		Overall Le	ength:	49.5 <b>m</b>		
Year Built:	2004	Est: No	Overall W	Overall Width: 12.3 m			
Year Last Rehab.:		Est: No	Roadway	Width:	11.1 <b>m</b>		
Region:	LABRADOR		Sidewalk	Sidewalk Width: 0 m			
Jurisdiction:	Provincial		Clearance N.W.L.:	Clearance to R.D. or N.W.L.: 3.7 m			
Type of Structure:	05 - Pre-stressed Co	oncrete Slab	Max Dept	h of N.W.L.:	2 <b>m</b>		
Purpose of Structure:	04 - Over Non-Navig	gable Waters	Spans:				
Type of Handrail:	01 - Aluminum Rail		<u>Span No.</u>	: Length	Span No.:	<u>Length</u>	
Roadway Surface:	01 - Concrete		1	30	4	0	
Alignment Vertical:	01 - Good		2	0	5	0	
Alignment Horizontal:	01 - Good		3	0	6	0	
Restrictions:	No						
BRIDGE PHOTOS	2006/10/28		2016/10/28				
SUBSTRUCTURE							
Condition:	F2 - Fair	Bea	rings: F2	- Fair			
		Bea	ring Seat: F2	- Fair			
Comments:	- Bearings and bearing seats too high for inspection but assumed to be in fair condition. Abutments have mild waterline erosion to the concrete surface, no scour Southeast wingwall has four small narrow vertical cracks with efflorescence directly under the curb spaces a meter or so apart.						
SUPERSTRUCTURE					<u></u>		
Condition:	G - Good	Exp	ansion Joints: F2	- Fair			
	- Expansion joint seals full of gravel, no visible leakage below. Tops of all expansion embedded steel exposed with light corrosion Six girders have moderate corrosion to all surfaces and no missing bolts to full moment connections/splices viewing from abutment corners. Bottom of deck concrete in excellent condition.						
Comments:	with light corrosion.	- Six girders have moderate	e corrosion to all surfaces ar			oment	

Condition:	F2 - Fair	Curbs:	G - Good			
Hand Rail:	F2 - Fair	Roadway Condition:	G - Good			
Approach Rail:	F2 - Fair					
Comments:	- Approach/exit rails in fair condition, northeast hazard marker is missing remainder are in place, connected to end blocks and do not have collision dampening posts prior to end blocks End blocks have spalls along the top sloped section, likely flyer damage Crack between asphalt approach and concrete deck recently sealed with tar. Concrete deck is not paved and in fair condition with exposed aggregate sporadically throughout Curbs in good condition Handrails have minor dents/scrapes from the flyer.					
HYDROLOGY						
Water Velocity:	0.3 <b>m/s</b>	Ice Problem:	N - No Problem			
Water Depth:	Deep <b>m</b>	Scour Problem:	N - No Problem			
Waterway:	01 - Adequate	Debris Problem:	N - No Problem			
Comments:	- Recommend rip-rap placement on abutment waterside face.					
REPLACEMENT/REHAB	ILITATION					
Next Rehab. Date:	2030	Replacement Year:	2070			
Antic. Rehab. Cost:	\$30,000	Replacement Cost:	\$1,800,000			
Recommendations:	<ul> <li>Install deck drains. Recommend rip-rap placement on abutment waterside face. Clean expansion joint seals (2022). Install northeast hazard marker (2022).</li> </ul>					
OBSERVATIONS						
Overall Condition:	G - Good	Requires Further Inspection:	No			
Additional Observations:	- Hazards steep slopes, and light traffic. No access under the bridge. Bridge in good condition.					
EGEND: Condition Definitions: 1 - "Good - (discontinued code). 2 - "Fair - [discontinued code]. 3 - "Poor - [discontinued code]. 4 - "Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: nspection Photos using guideling Please provide photos using guideling Any term which inspector n Any term which inspector n Any evidence of known ice	F2 - Fair. C - Unsafe (Closed to F1 - Fair. U - Uninspectable. P3 - Poor. I - Inapplicable. P1 - Poor. P - Poor. esis spouja pe documented by photograph ing P3 P1 P or C	Public). N - No I P - Pos K - Kno	<u>n Definitions:</u> Problem. Maint Maintenance. sible Problem. Eng Engineering. wn Problem. Office - Bridge Office. t Applicable.			
INSPECTION PHOTOS						

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