New[oundland Labrador	GOVERNMENT OF NEWFOUNDLA AND LABRADC Department of Transport	R	BRIDGE INSPECTION REPORT B12102021-3 Category: Office - Bridge Office					
Date: 10/30/2021	Inspected By: Mike	Button						
BRIDGE INFORMATION								
Site:	5-023 - EDWARD'S E	ROOK BRIDGE						
Route:	500		(Overall Leng	40 m			
Year Built:	1986	Est: No	(Overall Width: Roadway Width:		12.3 m 10.5 m		
Year Last Rehab.:		Est: No	F					
Region:	LABRADOR		S	Sidewalk Width: 0 m				
Jurisdiction:	Provincial			Clearance to R.D. or N.W.L.:		4.6 m		
Type of Structure:	01 - AASH to Girder		Γ	Max Depth o	f N.W.L.:	0.6 m		
Purpose of Structure:	04 - Over Non-Naviga	able Waters		Spans:				
Type of Handrail:	01 - Aluminum Rail		:	Span No.:	<u>Length</u>	Span No.:	<u>Length</u>	
Roadway Surface:	01 - Concrete			1	24	4	0	
Alignment Vertical:	01 - Good		:	2	0	5	0	
Alignment Horizontal:	01 - Good		;	3	0	6	0	
estrictions:	No							
BRIDGE PHOTOS		And the state of t	1058					
SUBSTRUCTURE	10/28/2006							
SUBSTRUCTURE	10/28/2006 G - Good		arings:	F2 - F				
BRIDGE PHOTOS			arings:	F2 - F G - G				
SUBSTRUCTURE	G - Good - Abutments, and win abutment likely cause		aring Seat: verall. Some mild on joint. Bearing se	G - G efflorescence at exterior e	ood e on east d dges in goo	od condition, i		
SUBSTRUCTURE Condition: Comments:	G - Good - Abutments, and win abutment likely cause	Bea gwalls in good condition o ed from a leaking expansio	aring Seat: verall. Some mild on joint. Bearing se	G - G efflorescence at exterior e	ood e on east d dges in goo	od condition, i		
SUBSTRUCTURE Condition:	G - Good - Abutments, and win abutment likely cause	Bea gwalls in good condition o ed from a leaking expansio aphragms and too high for	aring Seat: verall. Some mild on joint. Bearing se	G - G efflorescence at exterior e	ood e on east d dges in goo o be in fair	od condition, i		
SUBSTRUCTURE Condition: Comments:	G - Good - Abutments, and win abutment likely cause surface hidden by dia G - Good - Expansion joints sea there are various void	Bea gwalls in good condition o ed from a leaking expansio aphragms and too high for	verall. Some mild on joint. Bearing se inspection. Bearing pansion Joints: and appear torn in es, P3. No or dama	G - G efflorescence eat exterior e g assumed to P3 - F places, curb	ood e on east d dges in goo o be in fair Poor plates/stuc	od condition, i condition.	nterior	

	Department of Transport	ation and Infrastructure,	Government of Newfoundlan	id and Labrad	dor 2021.				
Please provide photos using guidelin Any them which inspector h All items noted above as b Any evidence of known ice INSPECTION PHOTOS	šing P3, P7, P, or C , scour, debris, waterway problems	, ,							
4 - *Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: nspection Photos:	P1 - Poor. P - Poor.			NA - Not Ap					
EGEND: Condition Definitions: 1 - "Good - [discontinued code]. 2 - "Fair - [discontinued code]. 3 - "Poor - [discontinued code].	F2 - Fair. F1 - Fair. P3 - Poor.	C - Unsafe (Closed to U - Uninspectable. I - Inapplicable.	Public).	Problem De N - No Prob P - Possible K - Known	lem. e Problem. Problem.	<u>Category Definitions:</u> Maint Maintenance. Eng Engineering. Office - Bridge Office.			
Additional Observations:	- Hazards small slopes, a	and light traffic.							
Overall Condition:	F2 - Fair		Requires Further Inspection:		No				
OBSERVATIONS									
Recommendations:	- Replace guiderail and p block has the blockout to southwest corner. Replace slabs cracks.	accommodate bu	it was never secure	d in place	e. Secure strue				
Antic. Rehab. Cost:	\$35,000		Replacement Cos	st:	\$1,800,000				
Next Rehab. Date:	2025		Replacement Yea	r:	2050				
REPLACEMENT/REHAB	ILITATION								
Comments:	- Rip-rap has good positi	oning, no scour.							
Waterway:	01 - Adequate		Debris Problem:		N - No Probl	em			
Water Depth:	0.3 m		Scour Problem:		N - No Probl	em			
Water Velocity:	0.3 m/s		Ice Problem:		N - No Probl	em			
HYDROLOGY									
Comments:	- Approach/exit rails have some damage rail sections with several damaged/cracked off posts, all bolts missing (never drilled) to connect rails to end blocks, complete with hazard markers and have collision dampening posts End blocks in fair condition Curbs have some small spalls around the expansion joint areas, F1. Curb is good condition otherwise. Chaulking torn and out of place on exterior curb Handrails have minor dents/scrapes throughout. Rail bolt pulled through on southwest corner Deck not paved. Small pothole in concrete surface Approach asphalt is heavily patched and deteriorated at the tie in to the expansion joints. Asphalt has large transverse cracks over the approach slabs No deck drains.								
Approach Rail:	F1 - Fair				.,	.			
Hand Rail:	F2 - Fair		Roadway Condition	on:	P3 - Poor				
Condition:	F2 - Fair		Curbs:		F1 - Fair				