Newfoundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE INSPECTION REPORT B10072021-10				
Date: 10/5/2021	Inspected By: Mike B	utton	Category: Office - Bridge Office				
BRIDGE INFORMATION							
Site:	TCH-012 - BLACK BRO	OK BRIDGE (TCH)					
Route:	1		Overall Len	gth:	27.1 m		
/ear Built:	1964	Est: No	Overall Wid	th:	17.5 m		
rear Last Rehab.:	1992	Est: No	Roadway W	Roadway Width:		16 m	
Region:	CENTRAL EAST		Sidewalk W	idth:	0 m		
lurisdiction:	Provincial		Clearance to N.W.L.:	Clearance to R.D. or N.W.L.:			
Гуре of Structure:	01 - AASH to Girder	01 - AASH to Girder		Max Depth of N.W.L.:		1 m	
Purpose of Structure:	04 - Over Non-Navigable	e Waters	Spans:				
Type of Handrail:	01 - Aluminum Rail		Span No.:	<u>Length</u>	Span No.:	<u>Length</u>	
Roadway Surface:	02 - Asphalt		1	15.2	4	0	
Alignment Vertical:	01 - Good		2	0	5	0	
Alignment Horizontal:	01 - Good		3	0	6	0	
Restrictions:	No						
	2012/12/20		2012/12/20				
Condition:	P3 - Poor	Bear	ings: Ս-և	Ininspectab	le		
			0	Ininspectab			
Comments:	abutment width) has me seal the cracks but they structure, F1. Abutment of abutment at the rover abutment corner has me & vertical cracks through F1 Southeast corner of	edium horizontal & vertica have re-opened. Bearing face has medium rust st r level, large constructed edium-heavy spalling with hout. Past rehabs placed of abutment is heavily cra	extension in fair condition, F1 al cracks throughout. Past ref g seat has mild spalling unde aining just under the bearing opening present, at least 2m n heavy efflorescence Sout a superficial patch to seal th icked with heavy-severe efflo ust staining just under the be	habs placed r three gird seat, F1. A wide by 2n h abutment e cracks bu prescence. I	I a superficial ers on the eas t roughly the o n high. Northe t has medium ut they have re Many areas al	patch to st side of center line ast horizontal e-opened, pout to spal	

		fflorescence. Old C	Construction joint oper		stern wingwalls have heavy g between the top of wingwall		
SUPERSTRUCTURE							
Condition:	F1 - Fair		Expansion Joints:	P3 - Poor			
Comments:	- Girders in fair condition with some leakage/efflorescence coming through the deck and running down the girder sides, indicating some cracking in the deck above. Bottom of deck has localized areas of spalling to exposed reinforcement, F1 Efflorescence seen under and to the side of the south expansion joint from below. Suspect cracked seals or deteriorated concrete, P3 Deck soffits have mild rust staining with minor cracking with efflorescence throughout.						
DECK							
Condition:	F1 - Fair		Curbs:	F1 - Fair			
Hand Rail:	F1 - Fair		Roadway Condition	n: F1 - Fair			
Approach Rail:	F1 - Fair						
Comments:	 Asphalt and structural handrails in fair condition Approach/exit rails in fair condition complete with hazard markers and connected to end blocks Curbs have mild alligator cracking throughout, F1. 						
HYDROLOGY							
Water Velocity:	1.0 m/s		Ice Problem:	N - No Pro	oblem		
Nater Depth:	Varies m		Scour Problem:	N - No Pro	oblem		
Waterway:	01 - Adequate		Debris Problem:	N - No Pro	oblem		
Comments:	- Bedrock under north abutment should be monitored. Waterfall slamming into rock eroding rock and making cov like structures. May have been there since bridge was built.						
REPLACEMENT/REHAB	ILITATION						
Next Rehab. Date:	2025		Replacement Year:	2030			
Antic. Rehab. Cost:	\$100000		Replacement Cost:	\$2500000)		
Recommendations:	- Superficial rehab only to chip out and repair bad concrete. Abutments and retaining structures need replaceme within 5-10 years.						
OBSERVATIONS							
Overall Condition:	P3 - Poor		Requires Further Inspection:	No			
Additional Observations:	- Abutments and retaining structures, P3. F1 remainder Diversion for replacement will be challenging and likely expensive. Property on northwest side of structure Turn off onto route 204 and enter community and drive up Black Brook Drive and park off highway behind guiderail. Go down under structure on southeast corner Hazards, steep slopes, cliffs (leading edges, stay back 6 feet) and slippery rocks under structure.						
EGEND: ondition Definitions: 1 - "Good - [discontinued code]. 2 - *Fair - [discontinued code]. 3 - *Poor - [discontinued code]. 4 - *Unsafe - [discontinued code]. G - Good. HOTO GUIDELINES: Ispection Photos: Please provide photos using quidelin	F2 - Fair. F1 - Fair. P3 - Poor. P1 - Poor. P - Poor. P - Poor.	C - Unsafe (Closed to U - Uninspectable. I - Inapplicable.	Public). N P K	roblem Definitions: - No Problem. - Possible Problem. - Known Problem. A - Not Applicable.	Category Definitions: Maint Maintenance. Eng Engineering. Office - Bridge Office.		
Please provide photos using guidelin Any item which inspector it All items noted above as be Any evidence of known ice,	eels should be documented by pl sing P3, P1, P, or C , scour, debris, waterway problen	notograph ns					
INSPECTION PHOTOS							