

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B06132022-2	
Date: 5/2/2022	Inspected By: Colby Spencer	Category: Eng. - Engineering	
BRIDGE INFORMATION			
Site:	4-043 - MAIN RIVER BRIDGE (SOPS ARM)		
Route:	420	Overall Length:	97.9 m
Year Built:	1964	Est: No	Overall Width: 11.5 m
Year Last Rehab.:		Est: No	Roadway Width: 7.4 m
Region:	WEST COAST/NORTHERN		Sidewalk Width: 0 m
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	5.1 m
Type of Structure:	10 - Callender-Hamilton or Other Stress Truss Bridge		Max Depth of N.W.L.: 0 m
Purpose of Structure:	03 - Over Navigable Waters		Spans:
Type of Handrail:	06 - None	Span No.:	Length
Roadway Surface:	02 - Asphalt	1	45.8
Alignment Vertical:	01 - Good	2	45.8
Alignment Horizontal:	01 - Good	3	0
Restrictions:	No	6	0
BRIDGE PHOTOS			
			
SUBSTRUCTURE			
Condition:	F2 - Fair	Bearings:	F2 - Fair
		Bearing Seat:	F2 - Fair
Comments:	Spalling and efflor. deposits on abutments. Sand accumulation on bearing seats. Some steel bars protruding from North abutment		
SUPERSTRUCTURE			
Condition:	P3 - Poor	Expansion Joints:	F2 - Fair
Comments:	P3- Steel members below deck - F2 Steel members above deck. Rust throughout the structure but worst where laminar rusting is starting on some members. Some missing bolts at downstream south corner bearing. Plow damage to steel on structure. One overhead diagonal member damaged at 5th lateral cross brace from North end of structure.		
DECK			

Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Some plow damage on timber deck. Approach rail damaged.		
HYDROLOGY			
Water Velocity:	0 m/s	Ice Problem:	N - No Problem
Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:			
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			
OBSERVATIONS			
Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	unable to fully assess under deck due to snow and high water level, only one corner of bridge accessible.		
LEGEND:			
Condition Definitions:			
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	Problem Definitions:
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	N - No Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	P - Possible Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		K - Known Problem.
G - Good.	P - Poor.		NA - Not Applicable.
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			