

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08102023-5	
Date: 11/1/2022	Inspected By: M Button	Category: Office - Bridge Office	
BRIDGE INFORMATION			
Site:	4-083 - RUSHY BROOK BRIDGE		
Route:	433	Overall Length:	20.6 m
Year Built:	1967	Est: No	Overall Width: 8.9 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.:	3.1 m
Type of Structure:	01 - AASH to Girder	Max Depth of N.W.L.:	0.2 m
Purpose of Structure:	03 - Over Navigable Waters		
Type of Handrail:	02 - Concrete Rail		
Roadway Surface:	02 - Asphalt	Span No.:	Length
Alignment Vertical:	01 - Good	1	14.6
Alignment Horizontal:	02 - Adequate	2	0
Restrictions:	No	3	0
		Span No.:	Length
		4	0
		5	0
		6	0
BRIDGE PHOTOS			
SUBSTRUCTURE			
Condition:	F1 - Fair	Bearings:	U - Uninspectable
		Bearing Seat:	U - Uninspectable
Comments:	- North abutment has moderate to severe spalling throughout abutment wall, P3. - South abutment is in overall fair condition. There is light map cracking on the wall ends and at the base of the abutment wall, F2. - Wingwalls are in overall fair condition. There is light to medium map cracking in local areas. The northwest wingwall has a large spall on the corner, F1 to P3. - Bearing seats appear to be in fair condition, limited inspection. - Limited inspection of bearings.		
SUPERSTRUCTURE			
Condition:	F1 - Fair	Expansion Joints:	P3 - Poor
Comments:	- Girders are in overall fair condition. There are small pop outs on the underside of girders as well as on the sides of the exterior. There are small areas of exposed stirrups steel with light to medium corrosion, F1. - Diaphragms are in overall fair condition, F2. - Underside of deck has narrow cracks with efflorescence throughout. Sections of the concrete surface are stained from corroded rebar, F1 to P3. - Ballast wall has light map cracking and spalling on the exterior corners. There is delamination behind some girders, F1. - Damage to expansion joints, seal is clogged with debris, P3.		
DECK			
Condition:	F1 - Fair	Curbs:	F1 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	P3 - Poor
Approach Rail:	F1 - Fair		
Comments:	- Deck asphalt is in poor condition. There are medium radial cracks throughout the asphalt surface. Several areas		

of asphalt patching, resulting in an uneven driving surface. There is spalled asphalt around an expansion joint, P3. - Drainage pipes have gravel buildup in the grates. - Curbs are in overall fair condition, F1. - End blocks are in overall fair condition. Damage to the top of the northeast endblock, F1. - Guiderails are in fair condition. One hazard marker is missing, F1. - Handrails are in fair condition, F2.

HYDROLOGY

Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0 m	Scour Problem:	N - No Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:			

REPLACEMENT/REHABILITATION

Next Rehab. Date:	2033	Replacement Year:	2042
Antic. Rehab. Cost:	\$200000	Replacement Cost:	\$0
Recommendations:	- Recommended to repave the asphalt on the deck, replace the expansion joints, and rehab the North abutment and wingwall defects.		

OBSERVATIONS

Overall Condition:	F1 - Fair	Requires Further Inspection:	No
Additional Observations:	- Bridge is in overall fair condition, F1 with areas of light to moderate spalling on the abutment walls and uneven driving surface, P3.		

LEGEND:

Condition Definitions:

1 - *Good - [discontinued code].
 2 - *Fair - [discontinued code].
 3 - *Poor - [discontinued code].
 4 - *Unsafe - [discontinued code].
 G - Good.

F2 - Fair.
 F1 - Fair.
 P3 - Poor.
 P1 - Poor.
 P - Poor.

C - Unsafe (Closed to Public).
 U - Uninspectable.
 I - Inapplicable.

Problem Definitions:

N - No Problem.
 P - Possible Problem.
 K - Known Problem.
 NA - Not Applicable.

Category Definitions:

Maint. - Maintenance.
 Eng. - Engineering.
 Office - Bridge Office.

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:
 • 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