

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	<b>BRIDGE INSPECTION REPORT</b> <b>B01272021-1</b>	
<b>Date:</b> 1/21/2021	<b>Inspected By:</b> Mike Fleming	<b>Category:</b> Eng. - Engineering	
<b>BRIDGE INFORMATION</b>			
<b>Site:</b>	4-088 - WHITEHILL BROOK BRIDGES (OLD AND NEW)		
<b>Route:</b>		<b>Overall Length:</b>	21.5 m
<b>Year Built:</b>	1985	<b>Est:</b> No	<b>Overall Width:</b> 13.2 m
<b>Year Last Rehab.:</b>		<b>Est:</b> No	<b>Roadway Width:</b> 11.6 m
<b>Region:</b>	WEST COAST/NORTHERN		<b>Sidewalk Width:</b> 0 m
<b>Jurisdiction:</b>	Provincial		<b>Clearance to R.D. or N.W.L.:</b> 2.9 m
<b>Type of Structure:</b>	01 - AASH to Girder		<b>Max Depth of N.W.L.:</b> 0.3 m
<b>Purpose of Structure:</b>	03 - Over Navigable Waters		<b>Spans:</b>
<b>Type of Handrail:</b>	01 - Aluminum Rail		<u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u>
<b>Roadway Surface:</b>	02 - Asphalt	1	16.1   4   0
<b>Alignment Vertical:</b>	01 - Good	2	0   5   0
<b>Alignment Horizontal:</b>	01 - Good	3	0   6   0
<b>Restrictions:</b>	No		
<b>BRIDGE PHOTOS</b>			
<b>SUBSTRUCTURE</b>			
<b>Condition:</b>	F2 - Fair	<b>Bearings:</b>	U - Uninspectable
		<b>Bearing Seat:</b>	U - Uninspectable
<b>Comments:</b>	Moderate spalling noted on the South Upstream abutment sidewall. Light amount of efflorescent deposits and hairline cracking on abutments. Note: this inspection pertains to the old structure formally labelled 4-230 White Hills Road Bridge.		
<b>SUPERSTRUCTURE</b>			
<b>Condition:</b>	P3 - Poor	<b>Expansion Joints:</b>	I - Inapplicable
<b>Comments:</b>	Severe delamination of the fascia on the fascia girders; Moderate to Severe spalling also noted on the underside of the fascia girders with exposed and severely corroded reinforcement. Note: this inspection pertains to the old structure formally labelled 4-230 White Hills Road Bridge.		
<b>DECK</b>			
<b>Condition:</b>	P1 - Poor	<b>Curbs:</b>	I - Inapplicable
<b>Hand Rail:</b>	P - Poor	<b>Roadway Condition:</b>	I - Inapplicable
<b>Approach Rail:</b>	I - Inapplicable		
<b>Comments:</b>	Unable to assess the deck surface as its covered in gravel and snow. Light amount of delamination and spalling on the underside of deck. Guiderail installed as handrail and the original concrete railing is severely deteriorated and sections missing with exposed and severely corroded rebar; one end block is separated from structure and leaning outward. Note: this inspection pertains to the old structure formally labelled 4-230 White Hills Road Bridge.		

<b>HYDROLOGY</b>			
Water Velocity:	0 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0 m	Scour Problem:	P - Possible Problem
Waterway:	01 - Adequate	Debris Problem:	P - Possible Problem
Comments:			
<b>REPLACEMENT/REHABILITATION</b>			
Next Rehab. Date:	2021	Replacement Year:	2021
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:			
<b>OBSERVATIONS</b>			
Overall Condition:	P1 - Poor	Requires Further Inspection:	No
Additional Observations: Inspection pictures on file. Note: this inspection pertains to the old structure formally labelled 4-230 White Hills Road Bridge.			
<b>LEGEND:</b>			
<u>Condition Definitions:</u>		<u>Problem Definitions:</u>	
1 - *Good - [discontinued code].	F2 - Fair.	C - Unsafe (Closed to Public).	N - No Problem.
2 - *Fair - [discontinued code].	F1 - Fair.	U - Uninspectable.	P - Possible Problem.
3 - *Poor - [discontinued code].	P3 - Poor.	I - Inapplicable.	K - Known Problem.
4 - *Unsafe - [discontinued code].	P1 - Poor.		NA - Not Applicable.
G - Good.	P - Poor.		<u>Category Definitions:</u>
			Maint. - Maintenance.
			Eng. - Engineering.
			Office - Bridge Office.
<b>PHOTO GUIDELINES:</b>			
<b>Inspection Photos:</b>			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul>			
<b>INSPECTION PHOTOS</b>			

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