New[oundland Labrador	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		BRIDGE	BRIDGE INSPECTION REPORT B10192017-2				
Date: 10/16/2017	Inspected By: AB			Category: Eng Engineering				
BRIDGE INFORMATION	N							
Site:	2-049 - BARBOUR BF	RIDGE (CHARLESTON)						
Route:	230		O	verall Leng	jth:	32.8 m		
Year Built:	1971	Est: No	O	•		13.2 m	13.2 m	
Year Last Rehab.:	1985	Est: No	Ro	Roadway Width: 11 m				
Region:	CENTRAL EAST		_	Sidewalk Width: 1.2 m				
Jurisdiction:	Provincial			learance to .W.L.:	R.D. or	5 m		
Type of Structure:	01 - AASH to Girder			ax Depth o	f N.W.L.:	1 m		
Purpose of Structure:	04 - Over Non-Naviga	ble Waters		pans:				
Type of Handrail:	01 - Aluminum Rail		-	pan No.:	<u>Leng</u> th	Span No.:	Length	
Roadway Surface:	02 - Asphalt		1		14.8	4	0	
Alignment Vertical:	01 - Good		2		0	5	0	
Alignment Horizontal:	01 - Good		3		0	6	0	
Restrictions:	No							
BRIDGE PHOTOS								
BRIDGE PHOTOS	2012/12/13		2012/12/13					
BRIDGE PHOTOS			arings:	U - Ui	ninspectab	le		
BRIDGE PHOTOS	2012/12/13				ninspectab			
BRIDGE PHOTOS	2012/12/13 F2 - Fair Concrete abutments a		arings: aring Seat: scaling and cracking	U - Ui of wing wal	ninspectab	le	escence. A	
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	2012/12/13 F2 - Fair Concrete abutments a few severe cracks. St F2 - Fair F2 - Fair ASHTO girders. Gird has disintegration of t	Be and wing walls. Medium s aining on abutment walls	arings: aring Seat: scaling and cracking from leaky expansion pansion Joints: taining and effloresce posed rebar. Expans	U - Ui of wing wal on joints. P1 - F ence due to sion joints a	hinspectab Is and abu Poor I leaking de	le tments. Efflor	ler 6 middle	
BRIDGE PHOTOS BRIDGE PHOTOS SUBSTRUCTURE Condition: SUPERSTRUCTURE Condition:	2012/12/13 F2 - Fair Concrete abutments a few severe cracks. St F2 - Fair F2 - Fair ASHTO girders. Gird has disintegration of t	Be and wing walls. Medium s aining on abutment walls Ex ders have areas of rust s he bottom flange with ex	arings: aring Seat: scaling and cracking from leaky expansion pansion Joints: taining and effloresce posed rebar. Expans	U - Ui of wing wal on joints. P1 - F ence due to sion joints a	hinspectab Is and abu Poor I leaking de	le tments. Efflor	ler 6 middle	

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Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair				
Approach Rail:	F2 - Fair						
Comments:	Deck soffit has cracking with efflorescence. Exterior soffit at expansion joints, all locations, poor condition, disintegration and spalling. Curbs and sidewalk have some scaling and spalling. Large section of the outside of curb at expansion joint 2 right side broken away (aprox 300mm dia.). Outside of curbs at expansion joint 1 left and right, have minor pcs missing (aprox 150mm dia.) Large spall in curb at abutment 2 right side at end block. Aluminum bridge rail with concrete end blocks. Asphalt deteriorated some areas and underlying deck showing signs of deterioration at these locations (acp potholes continue into the concrete deck). Bottom of deck between girders 1 and 2, 5 and 6 shows evidence of cracking, efflorescence around the girders. Approach #2 right has a missing hazard marker. There is a buildup of sand/salt under the approach rail.						
HYDROLOGY							
Water Velocity:	1 m/s	Ice Problem:	N - No Problem				
Water Depth:	1 m	Scour Problem:	N - No Problem				
Waterway:	01 - Adequate	Debris Problem:	N - No Problem				
Comments:	Tidal. Hydraulic rip-rap at all corners.						
REPLACEMENT/REHAB	ILITATION						
Next Rehab. Date:	2017	Replacement Year:	2017				
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0				
Recommendations:	Place on rehab list for superstructure/deck repairs. Replace hazard marker. Clean sand/salt from under the approach rail. Repair potholes in deck.						
OBSERVATIONS							
Overall Condition:	F2 - Fair	Requires Further Inspection:	No				
Additional Observations:							
LEGEND: Condition Definitions: 1 - *Good - [discontinued code]. 2 - *Fair - [discontinued code]. 3 - *Poor - [discontinued code]. 4 - *Unsafe - [discontinued code]. G - Good. PHOTO GUIDELINES: Inspection Photos: Please provide photos using guidelin May reem winch inspector n All items noted above as b Any evidence of known ice	F2 - Fair. C - Unsafe (Closed to F1 - Fair. U - Uninspectable. P3 - Poor. I - Inapplicable. P1 - Poor. P - Poor. P - Poor. stour, pe documented by photograph aing P3, P1 - or C	Problem D Public). N - No Pro P - Possibl K - Known NA - Not A	blem. Maint Maintenance. le Problem. Eng Engineering. Problem. Office - Bridge Office.				
INSPECTION PHOTOS							

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