

	GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure	BRIDGE INSPECTION REPORT B08312023-7
Date: 8/7/2023	Inspected By: Darrell Avery	Category: Eng. - Engineering
BRIDGE INFORMATION		
Site:	2-049 - BARBOUR BRIDGE (CHARLESTON) - R230	
SUBSTRUCTURE		
Condition:	F2 - Fair	Bearings: U - Uninspectable
		Bearing Seat: U - Uninspectable
Comments:	Previous inspection - Concrete abutments and wing walls. Medium scaling and cracking of wing walls and abutments. Efflorescence. A few severe cracks. Staining on abutment walls from leaky expansion joints. Some concrete surface repairs conducted during 2021 rehab project.	
SUPERSTRUCTURE		
Condition:	F2 - Fair	Expansion Joints: F2 - Fair
Comments:	previous inspection - AASHTO girders. Girders have areas of rust staining and efflorescence due to leaking deck soffit. New inspection - Rehab repairs included; girder 1, 2 & 6 have latex repairs & new asphalt plug joints.	
DECK		
Condition:	F2 - Fair	Curbs: F2 - Fair
Hand Rail:	G - Good	Roadway Condition: F2 - Fair
Approach Rail:	G - Good	
Comments:	Previous inspection - Bottom of deck between girders 1 and 2, 5 and 6 shows evidence of cracking, efflorescence around the girders. New inspection - Items repaired during 2021 rehab project include; deck overlay repairs with waterproofing, new deck & approach asphalt, curb surfaces with new end blocks, new steel bridge rail(4) and new structural approach guiderail. Also new rock embedded gutter. Some water ponding on left side near joints	
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/REHABILITATION		
Next Rehab. Date:		Replacement Year:
Antic. Rehab. Cost:	\$	Replacement Cost:
Recommendations:		
OBSERVATIONS		
Overall Condition:	F2 - Fair	Requires Further Inspection: No
Additional Observations:		