

		GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure		<b>BRIDGE INSPECTION REPORT</b> <b>B11292023-3</b>	
Date: 11/27/2023		Inspected By: Darrell Avery		Category: Eng. - Engineering	
<b>BRIDGE INFORMATION</b>					
Site: 2-092 - GARDEN COVE ROAD BRIDGE - R210-13					
<b>SUBSTRUCTURE</b>					
Condition:	F1 - Fair	Bearings:	I - Inapplicable		
		Bearing Seat:	I - Inapplicable		
Comments:	Previous inspection - West abutment (Older) – There is light map cracking with efflorescence at the exteriors of the old abutment. There is light erosion to medium at the base of the abutment. There is severe efflorescence leaching from the joint with the underside of the deck at various points along the span of the abutment, P3. New inspection - voids in downstream abutments under frame ceiling. - West abutment (Newer) – There is moderate map cracking throughout. There is light efflorescence leaching from the joint with the underside of the deck. The base of the abutment has light erosion, F1. - East abutment (Older) – There is light map cracking throughout. There is severe efflorescence leaching from the joint with the underside of the deck. The base of the abutment has light erosion, F1. - East abutment (Newer) – There is moderate map cracking throughout. There is light efflorescence leaching from the joint with the underside of the deck. There is a large spall on the exterior of the abutment with a wide crack propagating down towards the base. The base of the abutment has light erosion, F1 to P3. - Wingwalls have medium to severe map cracking with efflorescence. There is a large spall on the top corner of the northeast wingwall with a wide crack propagating down towards the base. There is light to medium erosion on the base of one wingwall, P3. - Metal retaining walls are in fair condition. There is light erosion at the base of the walls, F1.				
<b>SUPERSTRUCTURE</b>					
Condition:	F1 - Fair	Expansion Joints:	I - Inapplicable		
Comments:	Concrete deck covered with asphalt. Deck soffit is in fair condition, minor map cracking on the underside of older structure. F1				
<b>DECK</b>					
Condition:	F1 - Fair	Curbs:	F1 - Fair		
Hand Rail:	F1 - Fair	Roadway Condition:	F2 - Fair		
Approach Rail:	F1 - Fair				
Comments:	Previous inspection: - Asphalt is in fair condition, repaved in 2021 - F2. - North curb has light concrete damage and medium cracks throughout, F1. - South curb has hairline cracks, F1. - End blocks are in fair condition, F2. - Structure rail is in fair condition. There minor dents and scrapes throughout, F1. - Guiderails are in fair condition. They are connected to the end blocks, and they have hazard markers. The posts spacing does follow spec, F1.				
<b>HYDROLOGY</b>					
Water Velocity:	0.8 m/s	Ice Problem:	P - Possible Problem		
Water Depth:	0.3 m	Scour Problem:	K - Known Problem		
Waterway:	01 - Adequate	Debris Problem:	N - No Problem		
Comments:	Light scour east abutment.				
<b>REPLACEMENT/REHABILITATION</b>					
Next Rehab. Date:	2033	Replacement Year:	2059		

<b>Antic. Rehab. Cost:</b>	\$100000	<b>Replacement Cost:</b>	\$0
<b>Recommendations:</b>			
<b>OBSERVATIONS</b>			
<b>Overall Condition:</b>	F1 - Fair	<b>Requires Further Inspection:</b>	No
<b>Additional Observations:</b> Previous inspection - Bridge is overall in fair condition, F1 with P3 areas on the abutments and wingwalls.			

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.