



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

**BRIDGE INSPECTION REPORT
B08022021-4**

Date: 5/6/2021 Inspected By: Butler Category: Eng. - Engineering

BRIDGE INFORMATION

Site:	2-092 - GARDEN COVE ROAD BRIDGE				
Route:	210-13	Overall Length:	6.8 m		
Year Built:	1984	Est: No	Overall Width:	9 m	
Year Last Rehab.:		Est: No	Roadway Width:	8.2 m	
Region:	CENTRAL EAST	Sidewalk Width:	0 m		
Jurisdiction:	Provincial	Clearance to R.D. or N.W.L.:	2 m		
Type of Structure:	03 - Reinforced Concrete Beam/Slab	Max Depth of N.W.L.:	0.5 m		
Purpose of Structure:	04 - Over Non-Navigable Waters	Spans:			
Type of Handrail:	01 - Aluminum Rail	<u>Span No.:</u>	<u>Length</u>	<u>Span No.:</u>	<u>Length</u>
Roadway Surface:	02 - Asphalt	1	5.5	4	0
Alignment Vertical:	01 - Good	2	0	5	0
Alignment Horizontal:	01 - Good	3	0	6	0
Restrictions:	No				

BRIDGE PHOTOS



SUBSTRUCTURE

Condition: F2 - Fair Bearings: I - Inapplicable
Bearing Seat: I - Inapplicable

Comments: Concrete abutments, bin wall retaining structures at the corners. Some efflorescence from leakage through structure. Lower sections of bin walls rusted. Some minor impact damage to Abutment 1 left bin wall. Possible ice

damage.			
SUPERSTRUCTURE			
Condition:	F2 - Fair	Expansion Joints:	I - Inapplicable
Comments:	Reinforced concrete deck, some cracking with efflorescence underside.		
DECK			
Condition:	F2 - Fair	Curbs:	F2 - Fair
Hand Rail:	F2 - Fair	Roadway Condition:	F2 - Fair
Approach Rail:	F2 - Fair		
Comments:	Concrete deck with asphalt wearing surface. 4 rail aluminum hand rail with concrete end blocks, some impact damage to aluminum rails. Right side curb weathered. Endblocks were replaced in 2020. Roadway work was ongoing in area during inspection and approach rail and hazard markers were missing.		
HYDROLOGY			
Water Velocity:	1 m/s	Ice Problem:	P - Possible Problem
Water Depth:	0.25 m	Scour Problem:	K - Known Problem
Waterway:	01 - Adequate	Debris Problem:	N - No Problem
Comments:	Scour from hurricane Igor has been repaired. Minor scour along abutment two right side, 0.2-0.5m - no issues currently, remainder founded on solid rock.		
REPLACEMENT/REHABILITATION			
Next Rehab. Date:		Replacement Year:	
Antic. Rehab. Cost:	\$0	Replacement Cost:	\$0
Recommendations:	Replace hand rail.		
OBSERVATIONS			
Overall Condition:	F2 - Fair	Requires Further Inspection:	No
Additional Observations:			
LEGEND:			
Condition Definitions:		Problem Definitions:	
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.		
Category Definitions:			
Maint. - Maintenance.			
Eng. - Engineering.			
Office - Bridge Office.			
PHOTO GUIDELINES:			
Inspection Photos:			
Please provide photos using guidelines below:			
<ul style="list-style-type: none"> ● 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			