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|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B01132021-1 | |
| Date: 11/6/2020 | Inspected By: Mike Fleming | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | 4-106 - GREEN ISLAND BROOK BRIDGE | | |
| Route: | | Overall Length: | 25.7 m |
| Year Built: | 1975 | Est: No | Overall Width: 12.2 m |
| Year Last Rehab.: | | Est: Yes | Roadway Width: 11.4 m |
| Region: | WEST COAST/NORTHERN | Sidewalk Width: | 0 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 4.7 m |
| Type of Structure: | 02 - Double Tee | Max Depth of N.W.L.: | 0.3 m |
| Purpose of Structure: | 03 - Over Navigable Waters | Spans: | |
| Type of Handrail: | 01 - Aluminum Rail | <u>Span No.:</u> | <u>Length</u> |
| Roadway Surface: | 02 - Asphalt | <u>Span No.:</u> | <u>Length</u> |
| Alignment Vertical: | 01 - Good | 1 | 13.7 |
| Alignment Horizontal: | 01 - Good | 2 | 0 |
| Restrictions: | No | 3 | 0 |
| | | 4 | 0 |
| | | 5 | 0 |
| | | 6 | 0 |
| BRIDGE PHOTOS | | | |
| SUBSTRUCTURE | | | |
| Condition: | F1 - Fair | Bearings: | G - Good |
| | | Bearing Seat: | G - Good |
| Comments: | Moderate spalling around creep blocks, creep blocks separating the ballast wall/bearing seat. Light spalling on sidewalls. Exposed rebar noted on double tees with minor corrosion. | | |
| SUPERSTRUCTURE | | | |
| Condition: | F2 - Fair | Expansion Joints: | I - Inapplicable |
| Comments: | Moderate spalling on deck soffit, moderate corrosion to exposed area of reinforcement on abutment sidewalls. | | |
| DECK | | | |
| Condition: | G - Good | Curbs: | I - Inapplicable |
| Hand Rail: | G - Good | Roadway Condition: | I - Inapplicable |
| Approach Rail: | I - Inapplicable | | |
| Comments: | No end blocks, no approach rail, no curbs noted. Moderate settlement of South approach noted with patched potholes. Minor amount of asphalt potholes observed on deck. | | |
| HYDROLOGY | | | |
| Water Velocity: | 0 m/s | Ice Problem: | N - No Problem |
| Water Depth: | 0 m | Scour Problem: | N - No Problem |
| Waterway: | 01 - Adequate | Debris Problem: | N - No Problem |

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|--|--|-------------------------------------|-----------------------|
| Comments: | | | |
| REPLACEMENT/REHABILITATION | | | |
| Next Rehab. Date: | 2021 | Replacement Year: | 2021 |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 |
| Recommendations: | Repair deteriorated concrete, repair creep block, install curb and end block, replace hand rail. | | |
| OBSERVATIONS | | | |
| Overall Condition: | F2 - Fair | Requires Further Inspection: | No |
| Additional Observations: | Pictures on file due to size upload restrictions. | | |
| 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 | | | |

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