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|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B01232023-8 | |
| Date: 4/21/2022 | Inspected By: Mike Fleming | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | 4-015 - GRAND CODROY RIVER BRIDGE | | |
| Route: | | Overall Length: | 247 m |
| Year Built: | 1984 | Est: No | Overall Width: 8.8 m |
| Year Last Rehab.: | | Est: Yes | Roadway Width: 7 m |
| Region: | WEST COAST/NORTHERN | Sidewalk Width: | 0 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 3 m |
| Type of Structure: | 01 - AASH to Girder | Max Depth of N.W.L.: | 0 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 | 1 | 45.1 |
| Alignment Vertical: | 01 - Good | 2 | 45.1 |
| Alignment Horizontal: | 01 - Good | 3 | 45.1 |
| Restrictions: | No | 4 | 45.1 |
| | | 5 | 45.1 |
| | | 6 | 0 |
| BRIDGE PHOTOS | | | |
| SUBSTRUCTURE | | | |
| Condition: | F2 - Fair | Bearings: | F1 - Fair |
| | | Bearing Seat: | F2 - Fair |
| Comments: | Cannot assess bearings and seats on the piers; however, moderate corrosion noted on bearing plates on the two abutments. | | |
| SUPERSTRUCTURE | | | |
| Condition: | F1 - Fair | Expansion Joints: | F1 - Fair |
| Comments: | Expansion joints leaking. Some small sections of exposed and corroded steel on the girder soffit. | | |
| DECK | | | |
| Condition: | F1 - Fair | Curbs: | P3 - Poor |
| Hand Rail: | P3 - Poor | Roadway Condition: | F1 - Fair |
| Approach Rail: | P3 - Poor | | |
| Comments: | Moderate to significant damage to curb with exposed corroded longitudinal steel. Approach rail damaged, leaning, not tied into end blocks; windrows of winter sand also present under the approach rail. Missing/Damaged sections of handrail. Some drains are plugged with debris and winter sand. | | |
| HYDROLOGY | | | |
| Water Velocity: | 0 m/s | Ice Problem: | N - No Problem |
| Water Depth: | 0 m | Scour Problem: | P - Possible Problem |

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| Waterway: | 01 - Adequate | Debris Problem: | N - No Problem |
| Comments: | | | |
| REPLACEMENT/REHABILITATION | | | |
| Next Rehab. Date: | | Replacement Year: | |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 |
| Recommendations: Recommend dive inspection on the bottom of the piers for assessment. | | | |
| OBSERVATIONS | | | |
| Overall Condition: | F1 - Fair | Requires Further Inspection: | No |
| Additional Observations: No hazard markers. Pics on file. | | | |
| 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 B, F, P, or C ● Any evidence of known ice, scour, debris, waterway problems | | | |
| INSPECTION PHOTOS | | | |

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