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|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B06042019-4 | |
| Date: 6/4/2019 | Inspected By: Hunt R | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | 1-290 - ROBINSONS BROOK BRIDGE | | |
| Route: | 20 | Overall Length: | 7.7 m |
| Year Built: | 1975 | Overall Width: | 6.8 m |
| Year Last Rehab.: | | Roadway Width: | 6.1 m |
| Region: | AVALON PENINSULA | Sidewalk Width: | 0.3 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 1.3 m |
| Type of Structure: | 04 - Rigid Frame | Max Depth of N.W.L.: | 0.2 m |
| Purpose of Structure: | 04 - Over Non-Navigable Waters | Spans: | |
| Type of Handrail: | 01 - Aluminum Rail | Span No.: | Length |
| Roadway Surface: | 02 - Asphalt | 1 | 4.3 |
| Alignment Vertical: | 02 - Adequate | 2 | 0 |
| Alignment Horizontal: | 02 - Adequate | 3 | 0 |
| Restrictions: | No | Span No.: | Length |
| | | 4 | 0 |
| | | 5 | 0 |
| | | 6 | 0 |
| BRIDGE PHOTOS | | | |
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| SUBSTRUCTURE | | | |
| Condition: | F2 - Fair | Bearings: | I - Inapplicable |
| | | Bearing Seat: | I - Inapplicable |
| Comments: | Assumed condition of buried reinforcement concrete frame leg footings. Medium erosion to top and face of South leg footings. Medium erosion along bottom of both frame leg- up to high water mark. No end blocks. | | |
| SUPERSTRUCTURE | | | |
| Condition: | F2 - Fair | Expansion Joints: | I - Inapplicable |
| Comments: | Hairline vertical crack in faces of both frame legs. No end blocks. | | |
| DECK | | | |
| Condition: | F2 - Fair | Curbs: | F2 - Fair |
| Hand Rail: | F2 - Fair | Roadway Condition: | F2 - Fair |

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| Approach Rail: | I - Inapplicable | | |
| Comments: | Narrow vertical cracks with light efflor deposits to extension curb facials. Medium slope/ shoulder erosion at four corners of structure. Small sections of curb ends spalled off. Minor road settlement at structure end minor scrapes, dents and end caps missing on aluminum hand rail. | | |
| HYDROLOGY | | | |
| Water Velocity: | 0.2 m/s | Ice Problem: | N - No Problem |
| Water Depth: | 0.3 m | Scour Problem: | N - No Problem |
| Waterway: | 01 - Adequate | Debris Problem: | N - No Problem |
| Comments: | Most of the water flow is next to the South frame leg. | | |
| REPLACEMENT/REHABILITATION | | | |
| Next Rehab. Date: | 2021 | Replacement Year: | 2030 |
| Antic. Rehab. Cost: | \$25 | Replacement Cost: | \$250 |
| Recommendations: | Monitor south footing scour. Install rip rap at structure corners. Install new hazard markers and rail where possible. Install missing end caps on aluminum 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 | | | |