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|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B01202020-56 | |
| Date: 9/24/2019 | Inspected By: Lynch R / Martin L | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | 3-001 - FLAT ROCK TICKLE BRIDGE | | |
| Route: | | Overall Length: | 31.5 m |
| Year Built: | 1966 | Est: No | Overall Width: 9 m |
| Year Last Rehab.: | 1987 | Est: No | Roadway Width: 7.3 m |
| Region: | CENTRAL WEST | Sidewalk Width: | 0 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 4 m |
| Type of Structure: | 01 - AASH to Girder | Max Depth of N.W.L.: | 1 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 | 24 |
| Alignment Vertical: | 01 - Good | 2 | 0 |
| Alignment Horizontal: | 01 - Good | 3 | 0 |
| Restrictions: | No | 6 | 0 |
| BRIDGE PHOTOS | | | |
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| SUBSTRUCTURE | | | |
| Condition: | F2 - Fair | Bearings: | F2 - Fair |
| | | Bearing Seat: | F2 - Fair |
| Comments: | Narrow cracks in abutments / footings. Scaling / disintegrating on abutment 1 wing walls. Curtain walls have wide cracks on abutment 1, footing #1 is slightly undermined near centerline. | | |
| SUPERSTRUCTURE | | | |
| Condition: | F2 - Fair | Expansion Joints: | P3 - Poor |
| Comments: | Narrow / Hairline cracking in girders where flange meets web. Dams in joints disintegrating; patched with set 45 - cracked up. Joints leaking. | | |
| DECK | | | |
| Condition: | F2 - Fair | Curbs: | F2 - Fair |

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| Hand Rail: | F2 - Fair | Roadway Condition: | F2 - Fair |
| Approach Rail: | F2 - Fair | | |
| Comments: | Few potholes patched with set 45, cracks efflorescence in underside of deck. Curbs have wide cracks at expansion joints. Handrails and end blocks damaged. | | |
| HYDROLOGY | | | |
| Water Velocity: | 0 m/s | Ice Problem: | N - No Problem |
| Water Depth: | 0 m | Scour Problem: | K - Known Problem |
| Waterway: | 01 - Adequate | Debris Problem: | N - No Problem |
| Comments: | | | |
| REPLACEMENT/REHABILITATION | | | |
| Next Rehab. Date: | | Replacement Year: | |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 |
| Recommendations: | replace expansion joints, repair damaged hand rails, end blocks. Install navigation lights. Re-install Flat Rocks Tickle bridge sign (Stolen/removed) | | |
| OBSERVATIONS | | | |
| Overall Condition: | F1 - Fair | Requires Further Inspection: | No |
| Additional Observations: | Waterline strung across abutment 1 footing. Leaking water on footing. | | |
| 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.