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|  | GOVERNMENT OF<br>NEWFOUNDLAND<br>AND LABRADOR<br>Department of Transportation and Infrastructure   | <b>BRIDGE INSPECTION REPORT</b><br><b>B02152023-3</b> |   |
| <b>Date:</b> 5/16/2022  | <b>Inspected By:</b> Mike Fleming  | <b>Category:</b> Eng. - Engineering                   |   |
| <b>BRIDGE INFORMATION</b>   |  |   |   |
| <b>Site:</b>  | 4-108 - PARKER'S RIVER BRIDGE  |   |   |
| <b>Route:</b>   |  | <b>Overall Length:</b>                                | 30.6 m  |
| <b>Year Built:</b>  | 1970   | <b>Est: No</b>  | <b>Overall Width:</b> 12.1 m                                  |
| <b>Year Last Rehab.:</b>  |  | <b>Est: Yes</b>                                       | <b>Roadway Width:</b> 11.3 m                                  |
| <b>Region:</b>  | WEST COAST/NORTHERN  |   | <b>Sidewalk Width:</b> 0 m                                    |
| <b>Jurisdiction:</b>  | Provincial   | <b>Clearance to R.D. or N.W.L.:</b>                   | 7 m   |
| <b>Type of Structure:</b>   | 02 - Double Tee  | <b>Max Depth of N.W.L.:</b>                           | 0.5 m   |
| <b>Purpose of Structure:</b>  | 03 - Over Navigable Waters   |   | <b>Spans:</b>   |
| <b>Type of Handrail:</b>  | 01 - Aluminum Rail   |   | <u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u> |
| <b>Roadway Surface:</b>   | 02 - Asphalt   | 1   | 14.5   4   0  |
| <b>Alignment Vertical:</b>  | 01 - Good  | 2   | 0   5   0   |
| <b>Alignment Horizontal:</b>  | 01 - Good  | 3   | 0   6   0   |
| <b>Restrictions:</b>  | No   |   |   |
| <b>BRIDGE PHOTOS</b>  |  |   |   |
| <b>SUBSTRUCTURE</b>   |  |   |   |
| <b>Condition:</b>   | G - Good   | <b>Bearings:</b>                                      | G - Good  |
|   |  | <b>Bearing Seat:</b>                                  | F2 - Fair   |
| <b>Comments:</b>  | Light to Moderate spalling and exposed reinforcement on SouthEast wing wall. Exterior creep blocks separated from ballast wall and bearing seat. Severe spalling on downstream creep blocks.   |   |   |
| <b>SUPERSTRUCTURE</b>   |  |   |   |
| <b>Condition:</b>   | F1 - Fair  | <b>Expansion Joints:</b>                              | P3 - Poor   |
| <b>Comments:</b>  | One spalled section with exposed and corroded steel on underside of the fascia tee girder. Expansion joints are paved over and cannot fully assess condition; however, cracking and potholes noted in asphalt along expansion joints.                                  |   |   |
| <b>DECK</b>   |  |   |   |
| <b>Condition:</b>   | F1 - Fair  | <b>Curbs:</b>   | I - Inapplicable  |
| <b>Hand Rail:</b>   | F2 - Fair  | <b>Roadway Condition:</b>                             | F1 - Fair   |
| <b>Approach Rail:</b>   | P3 - Poor  |   |   |
| <b>Comments:</b>  | Approach rail damaged; moderate spalling noted on the deck fascia with exposed and corroded steel (upstream side). Inadequate handrail height and no end-blocks noted. Moderate transverse cracking and patched potholes noted at approach slabs, extending onto deck. |   |   |
| <b>HYDROLOGY</b>  |  |   |   |
| <b>Water Velocity:</b>  | 0 m/s  | <b>Ice Problem:</b>                                   | N - No Problem  |

|  |   |                                     |                       |
|--|---|-------------------------------------|-----------------------|
| <b>Water Depth:</b>  | 0 m   | <b>Scour Problem:</b>               | N - No Problem        |
| <b>Waterway:</b>   | 01 - Adequate   | <b>Debris Problem:</b>              | N - No Problem        |
| <b>Comments:</b>   |   |                                     |                       |
| <b>REPLACEMENT/REHABILITATION</b>  |   |                                     |                       |
| <b>Next Rehab. Date:</b>   | 2023  | <b>Replacement Year:</b>            |                       |
| <b>Antic. Rehab. Cost:</b>   | \$0   | <b>Replacement Cost:</b>            | \$0                   |
| <b>Recommendations:</b>  | Install end blocks, replace handrail and approach rail; repair creep blocks, install curb, latex repairs on abutments and fascia. |                                     |                       |
| <b>OBSERVATIONS</b>  |   |                                     |                       |
| <b>Overall Condition:</b>  | F1 - Fair   | <b>Requires Further Inspection:</b> | No                    |
| <b>Additional Observations:</b>  | Pics on file  |                                     |                       |
| <b>LEGEND:</b>   |   |                                     |                       |
| <b>Condition Definitions:</b>  |   | <b>Problem Definitions:</b>         |                       |
| 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.   |                                     |                       |
| <b>Category Definitions:</b>   |   |                                     |                       |
| Maint. - Maintenance.  |   |                                     |                       |
| Eng. - Engineering.  |   |                                     |                       |
| Office - Bridge Office.  |   |                                     |                       |
| <b>PHOTO GUIDELINES:</b>   |   |                                     |                       |
| <b>Inspection Photos:</b>  |   |                                     |                       |
| Please provide photos using guidelines below:  |   |                                     |                       |
| <ul style="list-style-type: none"> <li>● Any item which inspector feels should be documented by photograph</li> <li>● All items noted above as being P3, P1, P, or C</li> <li>● Any evidence of known ice, scour, debris, waterway problems</li> </ul> |   |                                     |                       |
| <b>INSPECTION PHOTOS</b>   |   |                                     |                       |

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