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|  | GOVERNMENT OF<br>NEWFOUNDLAND<br>AND LABRADOR<br>Department of Transportation and Infrastructure | <b>BRIDGE INSPECTION REPORT</b><br><b>B01182021-17</b> |   |
| <b>Date:</b> 5/15/2020  | <b>Inspected By:</b> Terrance Coates   | <b>Category:</b> Eng. - Engineering                    |   |
| <b>BRIDGE INFORMATION</b>   |  |  |   |
| <b>Site:</b>  | TCH-054 - MAIN BROOK BRIDGE (SANDY LAKE)   |  |   |
| <b>Route:</b>   |  | <b>Overall Length:</b>                                 | 35.1 m  |
| <b>Year Built:</b>  | 1965   | <b>Est:</b> No   | <b>Overall Width:</b> 17.8 m                                  |
| <b>Year Last Rehab.:</b>  | 2004   | <b>Est:</b> Yes  | <b>Roadway Width:</b> 16.2 m                                  |
| <b>Region:</b>  | WEST COAST/NORTHERN  |  | <b>Sidewalk Width:</b> 0.8 m                                  |
| <b>Jurisdiction:</b>  | Provincial   |  | <b>Clearance to R.D. or N.W.L.:</b> 3.8 m                     |
| <b>Type of Structure:</b>   | 01 - AASH to Girder  |  | <b>Max Depth of N.W.L.:</b> 0 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  | 24.5    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>                                   | G - Good  |
| <b>Comments:</b>  |  |  |   |
| <b>SUPERSTRUCTURE</b>   |  |  |   |
| <b>Condition:</b>   | G - Good   | <b>Expansion Joints:</b>                               | F2 - Fair   |
| <b>Comments:</b>  | Spalling of concrete on bottom of 1st and 5th girders.   |  |   |
| <b>DECK</b>   |  |  |   |
| <b>Condition:</b>   | G - Good   | <b>Curbs:</b>  | G - Good  |
| <b>Hand Rail:</b>   | G - Good   | <b>Roadway Condition:</b>                              | G - Good  |
| <b>Approach Rail:</b>   | G - Good   |  |   |
| <b>Comments:</b>  | Asphalt deck and approaches has deteriorated. Potholes in deck and approach asphalt.             |  |   |
| <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>   | 2021  | <b>Replacement Year:</b>            | 2021                         |
| <b>Antic. Rehab. Cost:</b>   | \$0   | <b>Replacement Cost:</b>            | \$0                          |
| <b>Recommendations:</b>  | Remove winter sand build-up along curbs. Repave deck and approaches. Replace 2 missing hazard markers.                                      |                                     |                              |
| <b>OBSERVATIONS</b>  |   |                                     |                              |
| <b>Overall Condition:</b>  | F2 - Fair   | <b>Requires Further Inspection:</b> | No                           |
| <b>Additional Observations:</b>  | East bound lane abutment was added onto existing structure to meet TCH spec. New girders and deck was placed at time of structure widening. |                                     |                              |
| <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> |
| <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 2021.