

|   |  |  |                              |
|---|--|--|------------------------------|
|    | GOVERNMENT OF<br>NEWFOUNDLAND<br>AND LABRADOR<br>Department of Transportation and Infrastructure                             | <b>BRIDGE INSPECTION REPORT</b><br><b>B05242024-4</b>                                |                              |
| <b>Date:</b> 5/24/2024  | <b>Inspected By:</b> L Christensen   | <b>Category:</b> Office - Bridge Office  |                              |
| <b>BRIDGE INFORMATION</b>   |  |  |                              |
| <b>Site:</b>  | 1-069 - WHITEWAY BRIDGE  |  |                              |
| <b>Route:</b>   | 80   | <b>Overall Length:</b>   | 16.4 m                       |
| <b>Year Built:</b>  | 1971   | <b>Est:</b> No   | <b>Overall Width:</b> 11.3 m |
| <b>Year Last Rehab.:</b>  |  | <b>Est:</b> No   | <b>Roadway Width:</b> 8.8 m  |
| <b>Region:</b>  | AVALON PENINSULA   | <b>Sidewalk Width:</b>   | 1.75 m                       |
| <b>Jurisdiction:</b>  | Provincial   | <b>Clearance to R.D. or N.W.L.:</b>  | 3.1 m                        |
| <b>Type of Structure:</b>   | 02 - Double Tee  | <b>Max Depth of N.W.L.:</b>  | 0.4 m                        |
| <b>Purpose of Structure:</b>  | 04 - Over Non-Navigable Waters   |  | <b>Spans:</b>                |
| <b>Type of Handrail:</b>  | 02 - Concrete Rail   | <b>Span No.:</b>   | <b>Length</b>                |
| <b>Roadway Surface:</b>   | 02 - Asphalt   | 1  | 9.7                          |
| <b>Alignment Vertical:</b>  | 02 - Adequate  | 2  | 0                            |
| <b>Alignment Horizontal:</b>  | 02 - Adequate  | 3  | 0                            |
| <b>Restrictions:</b>  | No   | 4  | 0                            |
|   |  | 5  | 0                            |
|   |  | 6  | 0                            |
| <b>BRIDGE PHOTOS</b>  |  |  |                              |
|  |  |  |                              |
| <b>SUBSTRUCTURE</b>   |  |  |                              |
| <b>Condition:</b>   | P3 - Poor  | <b>Bearings:</b>   | I - Inapplicable             |
|   |  | <b>Bearing Seat:</b>   | F1 - Fair                    |
| <b>Comments:</b>  | Light erosion and cracking, some efflorescence   |  |                              |
| <b>SUPERSTRUCTURE</b>   |  |  |                              |
| <b>Condition:</b>   | P1 - Poor  | <b>Expansion Joints:</b>   | I - Inapplicable             |
| <b>Comments:</b>  | Girders in poor condition. Loss of bottom reinforcement on some outside girders and cracking on multiple girders at midspan. |  |                              |
| <b>DECK</b>   |  |  |                              |
| <b>Condition:</b>   | F1 - Fair  | <b>Curbs:</b>  | P3 - Poor                    |
|   | P3 - Poor  |  | F1 - Fair                    |

|                                   |   |                                     |                     |
|-----------------------------------|---|-------------------------------------|---------------------|
| <b>Hand Rail:</b>                 |   | <b>Roadway Condition:</b>           |                     |
| <b>Approach Rail:</b>             | P3 - Poor   |                                     |                     |
| <b>Comments:</b>                  | Approach rail is not structural guard rail  |                                     |                     |
| <b>HYDROLOGY</b>                  |   |                                     |                     |
| <b>Water Velocity:</b>            | 0 m/s   | <b>Ice Problem:</b>                 | NA - Not Applicable |
| <b>Water Depth:</b>               | 0 m   | <b>Scour Problem:</b>               | K - Known Problem   |
| <b>Waterway:</b>                  | 01 - Adequate   | <b>Debris Problem:</b>              | N - No Problem      |
| <b>Comments:</b>                  | Scour clearly visible. Water flowing under north abutment almost the whole width of the bridge.                       |                                     |                     |
| <b>REPLACEMENT/REHABILITATION</b> |   |                                     |                     |
| <b>Next Rehab. Date:</b>          |   | <b>Replacement Year:</b>            | 2025                |
| <b>Antic. Rehab. Cost:</b>        | \$0   | <b>Replacement Cost:</b>            | \$0                 |
| <b>Recommendations:</b>           |   |                                     |                     |
| <b>OBSERVATIONS</b>               |   |                                     |                     |
| <b>Overall Condition:</b>         | P1 - Poor   | <b>Requires Further Inspection:</b> | No                  |
| <b>Additional Observations:</b>   | Recommended bridge be reduced to 1 traffic lane in center of bridge due to double T girder deterioration and cracking |                                     |                     |

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