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|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------|--|
|  |                                                                                                                                                                                                                                                                                                                | GOVERNMENT OF<br>NEWFOUNDLAND<br>AND LABRADOR<br>Department of Transportation and Infrastructure |                   | <b>BRIDGE INSPECTION REPORT</b><br><b>B11132024-8</b> |  |
| <b>Date:</b> 11/13/2024                                                           |                                                                                                                                                                                                                                                                                                                | <b>Inspected By:</b> Lars/Sarah                                                                  |                   | <b>Category:</b> Office - Bridge Office               |  |
| <b>BRIDGE INFORMATION</b>                                                         |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>Site:</b>                                                                      |                                                                                                                                                                                                                                                                                                                | 1-051 - MOBILE RIVER BRIDGE - R                                                                  |                   |                                                       |  |
| <b>SUBSTRUCTURE</b>                                                               |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>Condition:</b>                                                                 | P3 - Poor                                                                                                                                                                                                                                                                                                      | <b>Bearings:</b>                                                                                 | U - Uninspectable |                                                       |  |
|                                                                                   |                                                                                                                                                                                                                                                                                                                | <b>Bearing Seat:</b>                                                                             | F1 - Fair         |                                                       |  |
| <b>Comments:</b>                                                                  | Leakage on all joint locations on wing wall and abutments, evidence of expansion joint and/pr deck leaking. Large vertical crack in northern abutment. Efflorescence leaking around abutment drains.                                                                                                           |                                                                                                  |                   |                                                       |  |
| <b>SUPERSTRUCTURE</b>                                                             |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>Condition:</b>                                                                 | P3 - Poor                                                                                                                                                                                                                                                                                                      | <b>Expansion Joints:</b>                                                                         | I - Inapplicable  |                                                       |  |
| <b>Comments:</b>                                                                  | Expansion joints paved over. Efflorescence leaking between double TEEs. evidence of deck leaking. Small to large spalls falling off the base of the double Tee webs. Exposed bottom reinforcement in at least 2 double tees. Longitudinal cracking in the bottom of the double tee webs that have not spalled. |                                                                                                  |                   |                                                       |  |
| <b>DECK</b>                                                                       |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>Condition:</b>                                                                 | P3 - Poor                                                                                                                                                                                                                                                                                                      | <b>Curbs:</b>                                                                                    | F1 - Fair         |                                                       |  |
| <b>Hand Rail:</b>                                                                 | F1 - Fair                                                                                                                                                                                                                                                                                                      | <b>Roadway Condition:</b>                                                                        | F1 - Fair         |                                                       |  |
| <b>Approach Rail:</b>                                                             | P3 - Poor                                                                                                                                                                                                                                                                                                      |                                                                                                  |                   |                                                       |  |
| <b>Comments:</b>                                                                  | Evidence of deck leaking, unable to see top or bottom. Vehicle or snow ploy damage to approach rails.                                                                                                                                                                                                          |                                                                                                  |                   |                                                       |  |
| <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>                                                                  | Slope erosion at all wing walls.                                                                                                                                                                                                                                                                               |                                                                                                  |                   |                                                       |  |
| <b>REPLACEMENT/REHABILITATION</b>                                                 |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>Next Rehab. Date:</b>                                                          |                                                                                                                                                                                                                                                                                                                | <b>Replacement Year:</b>                                                                         |                   |                                                       |  |
| <b>Antic. Rehab. Cost:</b>                                                        | \$0                                                                                                                                                                                                                                                                                                            | <b>Replacement Cost:</b>                                                                         | \$0               |                                                       |  |
| <b>Recommendations:</b>                                                           |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>OBSERVATIONS</b>                                                               |                                                                                                                                                                                                                                                                                                                |                                                                                                  |                   |                                                       |  |
| <b>Overall Condition:</b>                                                         | P3 - Poor                                                                                                                                                                                                                                                                                                      | <b>Requires Further Inspection:</b>                                                              | No                |                                                       |  |
| <b>Additional Observations:</b>                                                   | Monitor girder deterioration and deck/expansion joint leaking.                                                                                                                                                                                                                                                 |                                                                                                  |                   |                                                       |  |

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2026.