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|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | GOVERNMENT OF<br>NEWFOUNDLAND<br>AND LABRADOR<br>Department of Transportation and Infrastructure |           | <b>BRIDGE INSPECTION REPORT</b><br><b>B03272026-3</b> |  |
| Date: 3/3/2026                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Inspected By: T Upshall / M Button                                                               |           | Category: Eng. - Engineering                          |  |
| <b>BRIDGE INFORMATION</b>                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |           |                                                       |  |
| Site:                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1-061 - OLD BAY BULLS ROAD OVERPASS EAST - R                                                     |           |                                                       |  |
| <b>SUBSTRUCTURE</b>                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |           |                                                       |  |
| Condition:                                                                        | F1 - Fair                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bearings:                                                                                        | P3 - Poor |                                                       |  |
|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Bearing Seat:                                                                                    | F2 - Fair |                                                       |  |
| Comments:                                                                         | Severe corrosion observed in bearing sole plates. Steel layers are visible and significant section loss occurs when sounding the area with a hammer. Elastomeric bearings contain bulging and cracking. Wide vertical cracks with medium spalling/delamination and light corrosion to reinforcement in several interior west piers. Remainder of piers have narrow vertical/horizontal cracks. Unable to inspect pier bearings due to height restriction. Medium vertical cracks, medium map cracking with light efflorescence, and light spalling/delamination to abutment faces. Medium to wide longitudinal/transverse cracks to bearing seat. Medium spall with exposed rebar in pier cap. Settlement beneath the concrete sloped paving has created an uneven surface with wide transverse cracks. Spalled concrete fragments from girders accumulated on bearing seat. Medium pattern cracking, wide vertical crack leaking efflorescence and medium spalling in SE wingwall.                                                                                                                                                                                                                                   |                                                                                                  |           |                                                       |  |
| <b>SUPERSTRUCTURE</b>                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |           |                                                       |  |
| Condition:                                                                        | P1 - Poor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Expansion Joints:                                                                                | P3 - Poor |                                                       |  |
| Comments:                                                                         | Severe spalling exposing corroded stressing strands on span one interior girder. Some of the wires within the strands are broken from the corrosion. Severe delamination/spalling exposing reinforcement with wide horizontal cracks to bottom girder end flanges at bearing location. Very wide vertical crack with severe spalling and severe corrosion to exposed rebar in SW exterior girder end. Narrow to wide horizontal cracks in top/bottom flanges and webs of all girders. More severe in exterior girders. West interior girder web has medium spalling with exposed rebar above bearing. Wide horizontal/longitudinal cracks with medium spalling to several diaphragms. Severe abrasions and corrosion with narrow cracks to expansion joint dams. There are more than one hundred areas in the deck soffit that contain spalling or delamination. The areas vary in size and severity. Girders reflect the same deficiencies, however half the quantity. Medium longitudinal/ transverse cracks with light efflorescence throughout deck soffit. Severe spall with exposed rebar in deck soffit about SW curtain wall.                                                                                 |                                                                                                  |           |                                                       |  |
| <b>DECK</b>                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |           |                                                       |  |
| Condition:                                                                        | P3 - Poor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Curbs:                                                                                           | P3 - Poor |                                                       |  |
| Hand Rail:                                                                        | P1 - Poor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Roadway Condition:                                                                               | P3 - Poor |                                                       |  |
| Approach Rail:                                                                    | P3 - Poor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                  |           |                                                       |  |
| Comments:                                                                         | *Assumed condition of deck top (covered in asphalt) based on condition of deck soffit below. Aluminum handrail posts bent and top rail completely missing at SW corner. Bolt connections for handrail post contain light corrosion. Some bolts are not properly secured to the barrier wall. South exterior deck/curb fascia has severe spalling/delamination with exposed reinforcement and wide horizontal/vertical cracks at SE corner near expansion joint. Severe delamination with narrow to wide longitudinal/ transverse cracks to top and face of south curb and median curb. Wide horizontal cracks to interior face of north curb. Light delamination/spalling with exposed rebar to cantilever soffit. Interior guiderail barrier separating structures are corroded with decaying wooden posts, medium dents/abrasions, and have significant debris buildup. Structure has no end blocks or approach hazard markers. Wide map cracking to jersey barrier median. Asphalt wearing surface has medium revealing, alligator cracking and severe potholes exposing concrete deck. Severe deformations and connection deficiencies with light corrosion and rotten spacer blocks to guiderail median barrier. |                                                                                                  |           |                                                       |  |
| <b>HYDROLOGY</b>                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                  |           |                                                       |  |

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| <b>Water Velocity:</b>            | n/a m/s                                                                                                                                                                                                                                                                                                                                 | <b>Ice Problem:</b>                 | NA - Not Applicable |
| <b>Water Depth:</b>               | n/a m                                                                                                                                                                                                                                                                                                                                   | <b>Scour Problem:</b>               | NA - Not Applicable |
| <b>Waterway:</b>                  | 03 - Not Applicable                                                                                                                                                                                                                                                                                                                     | <b>Debris Problem:</b>              | NA - Not Applicable |
| <b>Comments:</b>                  |                                                                                                                                                                                                                                                                                                                                         |                                     |                     |
| <b>REPLACEMENT/REHABILITATION</b> |                                                                                                                                                                                                                                                                                                                                         |                                     |                     |
| <b>Next Rehab. Date:</b>          |                                                                                                                                                                                                                                                                                                                                         | <b>Replacement Year:</b>            |                     |
| <b>Antic. Rehab. Cost:</b>        | \$                                                                                                                                                                                                                                                                                                                                      | <b>Replacement Cost:</b>            | \$                  |
| <b>Recommendations:</b>           | Install new waterproofing and asphalt over deck. Repair aluminum handrail, repair all delaminated/spalled concrete defects, replace median guiderail barrier on new posts, clean debris in-between guiderail barrier, along curbs, and bearing seat. Install new approach/exit guiderail structures with end blocks and hazard markers. |                                     |                     |
| <b>OBSERVATIONS</b>               |                                                                                                                                                                                                                                                                                                                                         |                                     |                     |
| <b>Overall Condition:</b>         | P1 - Poor                                                                                                                                                                                                                                                                                                                               | <b>Requires Further Inspection:</b> | No                  |
| <b>Additional Observations:</b>   | Electrical conduit is no longer attached to east abutment face and laying across the sloped paving. Triple overhead lines running under east spans near pier cap.                                                                                                                                                                       |                                     |                     |

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