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|  | GOVERNMENT OF<br>NEWFOUNDLAND<br>AND LABRADOR<br>Department of Transportation and Infrastructure | <b>BRIDGE INSPECTION REPORT</b><br><b>B01192021-18</b> |   |
| <b>Date:</b> 5/25/2020  | <b>Inspected By:</b> Mike Fleming  | <b>Category:</b> Eng. - Engineering                    |   |
| <b>BRIDGE INFORMATION</b>   |  |  |   |
| <b>Site:</b>  | 4-205 - HUMBER ROAD INTERCHANGE, BRIDGE #4   |  |   |
| <b>Route:</b>   |  | <b>Overall Length:</b>                                 | 59.6 m  |
| <b>Year Built:</b>  | 1973   | <b>Est:</b> No   | <b>Overall Width:</b> 16.6 m                                  |
| <b>Year Last Rehab.:</b>  |  | <b>Est:</b> No   | <b>Roadway Width:</b> 14.8 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> 6 m                       |
| <b>Type of Structure:</b>   | 05 - Pre-stressed Concrete Slab  |  | <b>Max Depth of N.W.L.:</b> 0 m                               |
| <b>Purpose of Structure:</b>  | 01 - Highway Grade Separation  |  | <b>Spans:</b>   |
| <b>Type of Handrail:</b>  | 02 - Concrete Rail   |  | <u>Span No.:</u> <u>Length</u> <u>Span No.:</u> <u>Length</u> |
| <b>Roadway Surface:</b>   | 02 - Asphalt   | 1  | 8.4   4   0   |
| <b>Alignment Vertical:</b>  | 01 - Good  | 2  | 29.1   5   0  |
| <b>Alignment Horizontal:</b>  | 02 - Adequate  | 3  | 8.4   6   0   |
| <b>Restrictions:</b>  | No   |  |   |
| <b>BRIDGE PHOTOS</b>  |  |  |   |
| <b>SUBSTRUCTURE</b>   |  |  |   |
| <b>Condition:</b>   | F2 - Fair  | <b>Bearings:</b>                                       | P3 - Poor   |
|   |  | <b>Bearing Seat:</b>                                   | F2 - Fair   |
| <b>Comments:</b>  | Deterioration of bearings noted. Light to moderate spalling on concrete abutments                |  |   |
| <b>SUPERSTRUCTURE</b>   |  |  |   |
| <b>Condition:</b>   | F2 - Fair  | <b>Expansion Joints:</b>                               | P3 - Poor   |
| <b>Comments:</b>  | Expansion joints leaking, paved over, exposed reinforcement                                      |  |   |
| <b>DECK</b>   |  |  |   |
| <b>Condition:</b>   | F2 - Fair  | <b>Curbs:</b>  | F2 - Fair   |
| <b>Hand Rail:</b>   | P3 - Poor  | <b>Roadway Condition:</b>                              | F2 - Fair   |
| <b>Approach Rail:</b>   | F2 - Fair  |  |   |
| <b>Comments:</b>  | Concrete handrail is in poor condition   |  |   |
| <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>                                  | NA - Not Applicable   |
| <b>Waterway:</b>  | 03 - Not Applicable  | <b>Debris Problem:</b>                                 | NA - Not Applicable   |
| <b>Comments:</b>  |  |  |   |

|  |            |                                |                       |
|--|------------|--------------------------------|-----------------------|
| <b>REPLACEMENT/REHABILITATION</b>  |            |                                |                       |
| Next Rehab. Date:  | 2021       | Replacement Year:              | 2021                  |
| Antic. Rehab. Cost:  | \$0        | Replacement Cost:              | \$0                   |
| Recommendations:   |            |                                |                       |
| <b>OBSERVATIONS</b>  |            |                                |                       |
| Overall Condition:   | F2 - Fair  | Requires Further Inspection:   | No                    |
| Additional Observations:   |            |                                |                       |
| <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 2021.