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|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B01062021-3 | |
| Date: 4/27/2020 | Inspected By: Terrance Coates | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | TCH-142 - WHITE'S ROAD UNDERPASS | | |
| Route: | | Overall Length: | 77.4 m |
| Year Built: | 1980 | Est: Yes | Overall Width: 12.3 m |
| Year Last Rehab.: | | Est: No | Roadway Width: 10.5 m |
| Region: | WEST COAST/NORTHERN | Sidewalk Width: | 0 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 6.3 m |
| Type of Structure: | 05 - Pre-stressed Concrete Slab | Max Depth of N.W.L.: | 0 m |
| Purpose of Structure: | 01 - Highway Grade Separation | Spans: | |
| Type of Handrail: | 01 - Aluminum Rail | <u>Span No.:</u> | <u>Length</u> |
| Roadway Surface: | 02 - Asphalt | 1 | 15.3 |
| Alignment Vertical: | 01 - Good | 2 | 19.1 |
| Alignment Horizontal: | 01 - Good | 3 | 19.1 |
| Restrictions: | No | <u>Span No.:</u> | <u>Length</u> |
| | | 4 | 15.3 |
| | | 5 | 0 |
| | | 6 | 0 |
| BRIDGE PHOTOS | | | |
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| SUBSTRUCTURE | | | |
| Condition: | F2 - Fair | Bearings: | G - Good |
| | | Bearing Seat: | F2 - Fair |
| Comments: | Large areas of delamination on underside of deck near bearing seat. Minor cracking along abutment walls. | | |
| SUPERSTRUCTURE | | | |
| Condition: | P3 - Poor | Expansion Joints: | P1 - Poor |
| Comments: | Deterioration on columns. Expansion joints are damaged and leaking. | | |
| DECK | | | |
| Condition: | G - Good | Curbs: | P3 - Poor |
| Hand Rail: | G - Good | Roadway Condition: | P3 - Poor |

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| Approach Rail: | I - Inapplicable | | |
| Comments: | Deck was paved in 2018. Delamination on underside of deck. Curbs are deteriorated. No structural rail. No end blocks. | | |
| HYDROLOGY | | | |
| Water Velocity: | 0 m/s | Ice Problem: | NA - Not Applicable |
| Water Depth: | 0 m | Scour Problem: | NA - Not Applicable |
| Waterway: | 03 - Not Applicable | Debris Problem: | NA - Not Applicable |
| Comments: | | | |
| REPLACEMENT/REHABILITATION | | | |
| Next Rehab. Date: | 2021 | Replacement Year: | 2021 |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 |
| Recommendations: | Install end blocks. Install structural rail on approaches. Replace expansion joints. Replace deck drains. Latex repairs to columns and underside of deck. Winter sand build-up along curbs and plugging the deck drains. | | |
| OBSERVATIONS | | | |
| Overall Condition: | P3 - Poor | Requires Further Inspection: | No |
| Additional Observations: | | | |
| LEGEND: | | | |
| Condition Definitions: | | Problem Definitions: | Category Definitions: |
| 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. | | Maint. - Maintenance. |
| | | | Eng. - Engineering. |
| | | | Office - Bridge Office. |
| PHOTO GUIDELINES: | | | |
| Inspection Photos: | | | |
| Please provide photos using guidelines below: | | | |
| <ul style="list-style-type: none"> ● Any item which inspector feels should be documented by photograph ● All items noted above as being P3, P1, P, or C ● Any evidence of known ice, scour, debris, waterway problems | | | |
| INSPECTION PHOTOS | | | |