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|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B08032021-5 | |
| Date: 5/6/2021 | Inspected By: Butler | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | TCH-011 - COME BY CHANCE RIVER BRIDGE | | |
| Route: | 1 | Overall Length: | 22 m |
| Year Built: | 2007 | Est: No | Overall Width: 15.2 m |
| Year Last Rehab.: | | Est: No | Roadway Width: 14 m |
| Region: | CENTRAL EAST | Sidewalk Width: | 0 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 2 m |
| Type of Structure: | 03 - Reinforced Concrete Beam/Slab | Max Depth of N.W.L.: | 1 m |
| Purpose of Structure: | 04 - Over Non-Navigable Waters | Spans: | |
| Type of Handrail: | 05 - Concrete Barrier | <u>Span No.:</u> | <u>Length</u> |
| Roadway Surface: | 02 - Asphalt | 1 | 13.5 |
| Alignment Vertical: | 01 - Good | 2 | 0 |
| Alignment Horizontal: | 01 - Good | 3 | 0 |
| Restrictions: | No | 4 | 0 |
| | | 5 | 0 |
| | | 6 | 0 |
| BRIDGE PHOTOS | | | |
|  | |  | |
| SUBSTRUCTURE | | | |
| Condition: | F2 - Fair | Bearings: | F2 - Fair |
| | | Bearing Seat: | F2 - Fair |
| Comments: | Concrete abutments and wing walls. Some light cracking and scaling. Some erosion of footing abutment two. Abutment one right rip-rap has been moved downstream. Dymeric along joints is cracking and becoming separated from concrete. | | |
| SUPERSTRUCTURE | | | |
| Condition: | F2 - Fair | Expansion Joints: | F2 - Fair |
| Comments: | Some leakage through structure gap at abutment one with staining. | | |
| DECK | | | |
| Condition: | F2 - Fair | Curbs: | F2 - Fair |

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|-----------------------|---|---------------------------|-----------|
| Hand Rail: | F2 - Fair | Roadway Condition: | F2 - Fair |
| Approach Rail: | F2 - Fair | | |
| Comments: | Asphalt wearing surface, paved in 2017. Concrete jersey barrier rail - some light cracking and scaling with map cracking on back. Approach slab undermined at abutment two right. Gutter at abutment one left needs clean out. All object markers are missing. Approach one right gutter and end block are undermined by approximately 700mm. Approach 2 right has a washout/erosion along abutment/approach slab. End shoe on approach 1 left is damaged and missing as fastener. Rail on approach 1 left has fasteners rusting off at the back where the bolt meets the nut. several missing the end of the bolt/nut. | | |

HYDROLOGY

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|------------------------|---------------|------------------------|----------------|
| Water Velocity: | 1 m/s | Ice Problem: | N - No Problem |
| Water Depth: | 0.5 m | Scour Problem: | N - No Problem |
| Waterway: | 01 - Adequate | Debris Problem: | N - No Problem |
| Comments: | | | |

REPLACEMENT/REHABILITATION

| | | | |
|----------------------------|--|--------------------------|-----|
| Next Rehab. Date: | | Replacement Year: | |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 |
| Recommendations: | Repair undermined approach slab, gutter and end block. Clean out gutter. Replace hazard markers. Add more rip-rap to Abutment one right. Repair rail bolts and end shoe. | | |

OBSERVATIONS

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|---------------------------------|-----------|-------------------------------------|----|
| Overall Condition: | F2 - Fair | 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. | Maint. - Maintenance. |
| 2 - *Fair - [discontinued code]. | F1 - Fair. | U - Uninspectable. | P - Possible Problem. | Eng. - Engineering. |
| 3 - *Poor - [discontinued code]. | P3 - Poor. | I - Inapplicable. | K - Known Problem. | Office - Bridge Office. |
| 4 - *Unsafe - [discontinued code]. | P1 - Poor. | | NA - Not Applicable. | |
| G - Good. | P - Poor. | | | |

PHOTO GUIDELINES:

Inspection Photos:

Please provide photos using guidelines below:

- 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