

| | | | |
|---|---|--|-----------------------------|
|  | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | BRIDGE INSPECTION REPORT B03252022-1 | |
| Date: 3/10/2022 | Inspected By: Trevor Upshall | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | |
| Site: | 1-073 - VITCH'S BRIDGE | | |
| Route: | 60 | Overall Length: | 10.4 m |
| Year Built: | 1965 | Est: Yes | Overall Width: 9.8 m |
| Year Last Rehab.: | | Est: No | Roadway Width: 9.2 m |
| Region: | AVALON PENINSULA | | Sidewalk Width: 0 m |
| Jurisdiction: | Provincial | Clearance to R.D. or N.W.L.: | 1.5 m |
| Type of Structure: | 04 - Rigid Frame | Max Depth of N.W.L.: | 0.3 m |
| Purpose of Structure: | 04 - Over Non-Navigable Waters | | |
| Type of Handrail: | 02 - Concrete Rail | Spans: | |
| Roadway Surface: | 02 - Asphalt | Span No.: | Length |
| Alignment Vertical: | 02 - Adequate | Span No.: | Length |
| Alignment Horizontal: | 02 - Adequate | Span No.: | Length |
| Restrictions: | No | Span No.: | Length |
| | | 1 | 5.8 |
| | | 2 | 0 |
| | | 3 | 0 |
| | | 4 | 0 |
| | | 5 | 0 |
| | | 6 | 0 |
| BRIDGE PHOTOS | | | |
|  | |  | |
| SUBSTRUCTURE | | | |
| Condition: | F2 - Fair | Bearings: | I - Inapplicable |
| | | Bearing Seat: | I - Inapplicable |
| Comments: | Assumed condition of buried/submerged frame leg footings. Original structure extended approximately 4.0 m upstream. | | |
| SUPERSTRUCTURE | | | |
| Condition: | F1 - Fair | Expansion Joints: | I - Inapplicable |
| Comments: | Light spalling/delamination to south frame leg. Narrow vertical cracks with light efflorescence deposits throughout frame legs. Medium spalling upstream wing wall. | | |
| DECK | | | |
| Condition: | G - Good | Curbs: | F2 - Fair |

| | | | |
|-----------------------------------|--|-------------------------------------|---------------------|
| Hand Rail: | G - Good | Roadway Condition: | F2 - Fair |
| Approach Rail: | U - Uninspectable | | |
| Comments: | Structure does not have structural approach/exit guiderail. Hazard markers installed directly on aluminum handrail. North West curb/facia medium spalling with narrow cracks. Medium spalling near exposed reinforcement in deck soffit at numerous locations. Narrow cracks with light efflorescence deposits in deck soffit. | | |
| HYDROLOGY | | | |
| Water Velocity: | 0.5 m/s | Ice Problem: | N - No Problem |
| Water Depth: | 0.4 m | Scour Problem: | K - Known Problem |
| Waterway: | 01 - Adequate | Debris Problem: | NA - Not Applicable |
| Comments: | | | |
| REPLACEMENT/REHABILITATION | | | |
| Next Rehab. Date: | 2024 | Replacement Year: | 2030 |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$500 |
| Recommendations: | Structure was rehabbed in 2017. | | |
| OBSERVATIONS | | | |
| Overall Condition: | F2 - Fair | Requires Further Inspection: | No |
| Additional Observations: | G - Repaired Areas F2 - Remaining | | |

Department of Transportation and Infrastructure, Government of Newfoundland and Labrador 2024.