



GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR
Department of Transportation and Infrastructure

BRIDGE INSPECTION REPORT
B05292020-7

Date: 5/29/2020 Inspected By: Alex Ford Category: Eng. - Engineering

BRIDGE INFORMATION

| | | | | | | |
|-----------------------|--------------------------------|-----------------|------------------------------|---------------|------------------|---------------|
| Site: | 2-122 - RUSHOON BAILEY BRIDGE | | | | | |
| Route: | 210-21 | Overall Length: | 40 m | | | |
| Year Built: | 2000 | Overall Width: | 7.3 m | | | |
| Year Last Rehab.: | | Est: No | Roadway Width: | 4.1 m | | |
| Region: | CENTRAL EAST | Est: No | Sidewalk Width: | 1 m | | |
| Jurisdiction: | Provincial | | Clearance to R.D. or N.W.L.: | 4 m | | |
| Type of Structure: | 09 - Bailey Bridge | | Max Depth of N.W.L.: | 1 m | | |
| Purpose of Structure: | 04 - Over Non-Navigable Waters | | Spans: | | | |
| Type of Handrail: | 04 - Steel Rail | | <u>Span No.:</u> | <u>Length</u> | <u>Span No.:</u> | <u>Length</u> |
| Roadway Surface: | 03 - Timber | | 1 | 27.4 | 4 | 0 |
| Alignment Vertical: | 01 - Good | | 2 | 0 | 5 | 0 |
| Alignment Horizontal: | 01 - Good | | 3 | 0 | 6 | 0 |
| Restrictions: | No | | | | | |

BRIDGE PHOTOS



SUBSTRUCTURE

| | | | |
|------------|---|---------------|-----------|
| Condition: | F2 - Fair | Bearings: | F2 - Fair |
| | | Bearing Seat: | F2 - Fair |
| Comments: | Concrete abutments and wingwalls. Some light cracks with efflorescence and minor honeycombing from construction. Washout inside abutment one wingwall left side, fill may be escaping under wingwall. | | |

| | | | | | |
|--|--|-------------------------------------|-----------------------|------------------------------|--|
| SUPERSTRUCTURE | | | | | |
| Condition: | F2 - Fair | Expansion Joints: | I - Inapplicable | | |
| Comments: | Single lane mabeby compact 200, 9 panels long, sidewalk attached right side. Some isolate spot rust. | | | | |
| DECK | | | | | |
| Condition: | F2 - Fair | Curbs: | F2 - Fair | | |
| Hand Rail: | F2 - Fair | Roadway Condition: | F2 - Fair | | |
| Approach Rail: | F2 - Fair | | | | |
| Comments: | 75mm timber decking with 50mm timber wearing surface, some wear, splits and light rot to raceway and wheelguards. Chain link fencing attached to sidewalk rail, repairs to tie wires poor - tie wires attached to top rail and stuck up. Minor rusting of sidewalk rail. Approach rail broken post abutment one right side - embedded in asphalt. 150mm x 150mm timber curbs, repair made right side, some wear. All hazard markers old and worn. Approach rail 2 left side has a broken weld. | | | | |
| HYDROLOGY | | | | | |
| Water Velocity: | 1.0 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: | Hurricane Igor change the flow pattern - stream now hits abutment two. No scour at present but this may require new rip rap protection to prevent in the future. | | | | |
| REPLACEMENT/REHABILITATION | | | | | |
| Next Rehab. Date: | 2020 | Replacement Year: | 2020 | | |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 | | |
| Recommendations: | Minor rehab. Replace damage raceway timbers, fix tie wires on fencing, fix broken guide rail post, fill washout, place new rip rap along abutment two face. Replace hazard markers. Repair approach rail. | | | | |
| OBSERVATIONS | | | | | |
| Overall Condition: | F2 - Fair | Requires Further Inspection: | No | | |
| Additional Observations: | No fencing on bridge panels. | | | | |
| 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: | | | | | |
| <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 | | | | | |