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|  | | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | | BRIDGE INSPECTION REPORT B06012020-3 | |
| Date: 6/1/2020 | | Inspected By: Alex Ford | | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | | | |
| Site: | | 2-046 - SANDY HARBOUR RIVER BRIDGE - R210 | | | |
| SUBSTRUCTURE | | | | | |
| Condition: | F2 - Fair | Bearings: | F1 - Fair | | |
| | | Bearing Seat: | F2 - Fair | | |
| Comments: | Concrete abutments, piers and wingwalls. Cracking with efflorescence all components. Some disintegration of piers and abutments at exterior edges. Bearing pads under rectangular beams compressed, one displaced. Creep block deterioration exterior areas. | | | | |
| SUPERSTRUCTURE | | | | | |
| Condition: | F2 - Fair | Expansion Joints: | P3 - Poor | | |
| Comments: | 3 reinforced concrete beams left side (old section) and 5 double tee girders right side (newer section). Exterior girders have some disintegration, cracking and exposed rebar - some double tees have extensive deterioration with exposed rebar (Double tee #3 span one and three). Asphalt plug joints leaking, some surface deterioration (potholes). | | | | |
| DECK | | | | | |
| Condition: | F2 - Fair | Curbs: | F2 - Fair | | |
| Hand Rail: | G - Good | Roadway Condition: | F2 - Fair | | |
| Approach Rail: | F2 - Fair | | | | |
| Comments: | Concrete deck with asphalt wearing surface, bumps and cracks of asphalt at approaches with some settlement. Underside of deck has some cracking, disintegration and efflorescence, mostly exterior. Curbs are cracked. Significant leakage through the joint between new and old parts of the structure. Galvanized 4 rail system and new end blocks installed in 2017. | | | | |
| HYDROLOGY | | | | | |
| Water Velocity: | 1.0 m/s | Ice Problem: | N - No Problem | | |
| Water Depth: | 1.0 m | Scour Problem: | N - No Problem | | |
| Waterway: | 01 - Adequate | Debris Problem: | N - No Problem | | |
| Comments: | | | | | |
| REPLACEMENT/REHABILITATION | | | | | |
| Next Rehab. Date: | 2020 | Replacement Year: | 2020 | | |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 | | |
| Recommendations: | Rehab most components. | | | | |
| OBSERVATIONS | | | | | |
| Overall Condition: | F2 - Fair | Requires Further Inspection: | No | | |
| Additional Observations: | | | | | |