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|  | | GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Transportation and Infrastructure | | BRIDGE INSPECTION REPORT B02032020-12 | |
| Date: 2/3/2020 | | Inspected By: Alex Ford | | Category: Eng. - Engineering | |
| BRIDGE INFORMATION | | | | | |
| Site: | | 2-045 - MAIN BROOK BRIDGE - R210 | | | |
| SUBSTRUCTURE | | | | | |
| Condition: | P3 - Poor | Bearings: | P3 - Poor | | |
| | | Bearing Seat: | P3 - Poor | | |
| Comments: | Concrete abutments and wingwalls. Some severe concrete erosion abutment one near centre at water level. Significant cracking, delamination, disintegration, efflorescence of all components. Bearing seats showing damage/deterioration from leakage. | | | | |
| SUPERSTRUCTURE | | | | | |
| Condition: | P3 - Poor | Expansion Joints: | P3 - Poor | | |
| Comments: | 12 double tee girders. All have significant amounts of exposed rebar which has caused spalling throughout, some cracking. Expansion joint is dymeric sealant in curb - leaking, paved over on road sections. Drain pipes rusted out. Girder 1/12 had comprised bearing, Girder 6/7/8 significant cracking at ends. | | | | |
| DECK | | | | | |
| Condition: | F2 - Fair | Curbs: | F2 - Fair | | |
| Hand Rail: | P1 - Poor | Roadway Condition: | F2 - Fair | | |
| Approach Rail: | F2 - Fair | | | | |
| Comments: | Concrete deck with asphalt overlay, some light deterioration of asphalt. Steel handrail has rusting and holes. Approach rail and curbs minor issues only. | | | | |
| HYDROLOGY | | | | | |
| Water Velocity: | 0.5 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: | Major channel realignment during Hurricane Igor. | | | | |
| REPLACEMENT/REHABILITATION | | | | | |
| Next Rehab. Date: | | Replacement Year: | | | |
| Antic. Rehab. Cost: | \$0 | Replacement Cost: | \$0 | | |
| Recommendations: | Replace structure as budget allows. Rehab not feasible on double tee structures. | | | | |
| OBSERVATIONS | | | | | |
| Overall Condition: | P3 - Poor | Requires Further Inspection: | No | | |
| Additional Observations: | | | | | |