

| Upstream End |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Culvert Component |  | Last | Now | Explanation of Condition |
| Cutoff Wall |  | X | X |  |
| Bevel End |  | 6 | 6 |  |
| Heaving (mm) | 0 |  |  |  |
| Invert Above/Below Stream Bed | BELOW |  |  |  |
| Above/Below (mm) | 100 |  |  |  |
| Scour Protection |  | N | N | Snow covered. |
| (Type : RIP RAP, GABION) |  |  |  |  |
| (Avg. Rock Size(mm) : 100) |  |  |  |  |
| Scour/Erosion |  | N | N |  |
| Beavers (Y/N) | No |  |  |  |
| Upstream End General Rating |  | 6 | 6 |  |
| Bridge Culvert Barrel |  |  |  |  |
| Culvert Component |  | Last | Now | Explanation of Condition |
| (Pipe \# : 1, Primary Span, Location Code: MAIN, Span (mm): |  |  |  | , Rise (mm): 1500, Type: SP) |
| Barrel Last Accessible Date | 20-May-2004 |  |  | D/S 60\% of pipe filled with bush and silt. Not able to access culvert barrel, shape is adequate from outside view. |
| Special Features |  |  |  |  |
| Special Feature |  |  |  |  |
| (Type:) |  |  |  |  |
| Special Feature |  |  |  |  |
| (Type : ) |  |  |  |  |
| Roof |  | N | N |  |
| Measured Rise (mm) | 1500 |  |  |  |
| Measured At Ring No. | 6 |  |  |  |
| Sag (mm) | 0 |  |  |  |
| Percent Sag | 0 |  |  |  |
| Sidewall |  | N | N |  |
| Measured Span (mm) | 1525 |  |  |  |
| Measured At Ring No. | 6 |  |  |  |
| Deflection (mm) | 25 |  |  |  |
| Percent Deflection | 2 |  |  |  |
| Floor |  | N | N | Ice \& dirt covered, average 900 mm deep. |
| Bulge (mm) | 0 |  |  |  |
| Measured At Ring No. |  |  |  |  |
| Abrasion (Y/N) | Yes |  |  |  |
| Circumferential Seams |  | N | N | (Roof plate cut at bolt $\mathrm{c} / \mathrm{l}$ at first ring from $\mathrm{D} / \mathrm{S}-1 \mathrm{~m}$ proper lap. 29-May-2004). |
| Separation (mm) | 0 |  |  |  |
| Longitudinal Seams |  | N | N |  |
| Total No. of Cracked Rings | 0 |  |  |  |
| Total No. of Rings with Two Cracked Seams |  |  |  |  |
| Min. Remaining Steel Between Cracks (mm) |  |  |  |  |
| Proper Lap (Y/N) | No |  |  |  |
| Longitudinal Stagger (Y/N) | No |  |  |  |
| Coating |  | N | N | (Corrosion with some pitting on floor at U/S and exterior of roof at ends. <br> Scaling @ bottom haunches @ U/S. 14-Feb-2006). |
| Corrosion By Soil (Y/N) | Yes |  |  |  |
| Corrosion By Water (Y/N) | Yes |  |  |  |


| Bridge Culvert Barrel |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Culvert Component |  | Last | Now | Explanation of Condition |
| (Pipe \# : 1, Primary Span, Location Code: MAIN, Span (mm): |  |  |  | Rise (mm): 1500, Type: SP) |
| Camber POS/ZERO/NEG | NEG |  |  |  |
| Ponding (Y/N) | Yes |  |  |  |
| Fish Passage Adequacy |  | X | X |  |
| Baffle |  | X | X |  |
| (Type:) |  |  |  |  |
| Waterway Adequacy |  | 5 | 5 |  |
| Icing (Y/N) | No |  |  |  |
| Silting (Y/N) | Yes |  |  |  |
| Drift (Y/N) | Yes |  |  |  |
| Barrel General Rating |  | N | N |  |
| Downstream End |  |  |  |  |
| Culvert Component |  | Last Now |  | Explanation of Condition |
| Direction |  | S |  |  |
| End Treatment (Concrete, Steel, Others, None) | STEEL |  |  |  |
| Headwall |  | X | X |  |
| Collar |  | X | X |  |
| Wingwalls |  | X | X |  |
| (Shape: ) |  |  |  |  |
| Cutoff Wall |  | X | X |  |
| Bevel End |  | 6 | 6 |  |
| Heaving (mm) | 0 |  |  |  |
| Invert Above/Below Stream Bed | BELOW |  |  |  |
| Above/Below (mm) | 50 |  |  |  |
| Scour Protection |  | N | N | (Gabion baskets in place around pipe in ditch. 22Feb2008). Snow covered. |
| (Type : RIP RAP, GABION) |  |  |  |  |
| (Avg. Rock Size(mm) : 100) |  |  |  |  |
| Scour/Erosion |  | N | N |  |
| Beavers (Y/N) | No |  |  |  |
| Downstream End General Rating |  | 6 | 6 |  |
| Structure Usage |  |  |  |  |
|  |  | Last | Now | Explanation of Condition |
| Channel (U/S and D/S) |  |  |  |  |
| Alignment |  | 5 | 5 | 90 degree curves at both ends. |
| Bank Stability |  | 7 | 7 |  |
| HWM ( $m$ below Top of Culvert) |  |  |  | HWM not visible. |
| Drift (Y/N) | No |  |  |  |
| Channel Bottom Degrading/Aggrading | NONE |  |  |  |
| Beavers (Y/N) | No |  |  |  |
| (Fish Compensation Measure 1 : NONE) |  |  |  |  |
| (Fish Compensation Measure 2 : NONE) |  |  |  |  |
| Channel General Rating |  | 5 | 5 |  |


| Maintenance Recommendations |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Inspector Recommendations |  | Year | Inspector Comments |  |  | Department Comments |  |  |  | Target Year | Est. Cost | Cat \# |
| SHOTCRETE REPAIRS |  |  |  |  |  |  |  |  |  |  |  |  |
| PLACE ADDITIONAL RIP RAP |  |  |  |  |  |  |  |  |  |  |  |  |
| REMOVE DRIFT ACCUMULATION |  |  |  |  |  |  |  |  |  |  |  |  |
| INSTALL CONCRETE/STEEL LINING |  |  |  |  |  |  |  |  |  |  |  |  |
| INSTALL STRUTS |  |  |  |  |  |  |  |  |  |  |  |  |
| INSTALL CONCRETE COLLAR/CUTOFF |  |  |  |  |  |  |  |  |  |  |  |  |
| REPAIR SEAMS |  |  |  |  |  |  |  |  |  |  |  |  |
| OTHER ACTION |  |  |  |  |  |  |  |  |  |  |  |  |
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| Structural Condition Rating (Last/Now) (\%) |  | 55.6/55.6 |  | Sufficiency Rating (Last/Now)(\%) |  | 42.6/42.5 | Est. Repl. Yr |  | 2025 | Maint. Reqd. (Y/N) |  | No |
| Special Comments for Next Inspection |  |  |  |  |  | Department Comments |  |  |  |  |  |  |
| Maintenance Reviewed By |  |  |  |  |  | Date |  |  |  | Estimated Total | 0 |  |
| Proposed Long-Term Strategy |  |  |  |  |  |  |  |  |  |  |  |  |
| On 3-Year Program (Y/N) |  |  |  |  |  |  |  |  |  |  |  |  |
| Proposed Action |  |  |  |  |  |  |  |  |  |  |  |  |
| Previous Inspector's Name | Owen Salava |  |  |  | Previous Assistant's Name |  |  |  |  |  |  |  |
| Next Inspection Date | 25-Jul-2014 |  |  |  | Previous Inspection Date |  |  | 21-Dec-2010 |  |  |  |  |
| Inspection Cycle (Default) (months) 21 | 21 |  |  |  |  |  |  |  |  |  |  |  |
| Comment |  |  |  |  |  |  |  |  |  |  |  |  |

