| | | | | | Bridg | e Culve | ert Insp | ection | | | | | |
|---|-----------|-----------|------------------|---|--------------|--|---|--------------------------|---------------|---------------|-----------------------|-------|--|
| Bridge File Number 01863 -1 Bridge Culvert | | | t | J | | | Гуре | | CUL1 | | | | |
| WATERCRS-ST | | | | | | | Lot No | | | 3 | | | |
| Bridge or Town | .EY | Υ | | | | tor Name | | Owen Salava | | | | | |
| Located Over | | TRIBU | TARY TO RAIN' | ARY TO RAINY CREEK, 3.78.6.2, CRS-ST | | | | Inspector Class BR CLS A | | | | | |
| Located On | | | | | | | Assistant Name | | | | | | |
| | 71 17.000 | | | | | ant Class | | | | | | | |
| Water Body Cl./Year Navigabil Cl./Year | | | | | | | tion Date | | 29-Aug-2012 | | | | |
| Navigabil. Cl./Year | | | | М | | | ntry By | | Marcia Chavez | | | | |
| Legal Land Location NE SEC 20 TWP 40 R | | | | <u> </u> | . • . | | Data Entry Date 17-Sep-2012 | | | | | | |
| | | | Transportation | (AIT) | | | Reviewer Name John O'Brien | | | | | | |
| Road Authority Alberta Tra Contract Main. Area CMA18 | | | · | () | | | Review Date 06-Sep-2012 | | | | | | |
| Contract Main. Area CMA18 Clear Roadway/Skew 9 / | | | | | | Dept. Reviewer Name | | | | | | | |
| AADT/Year 1,230 / 20 | | 2011 (A) | 011 (A) | | | | Dept. Review Date | | 18-Sep-2012 | | | | |
| Road Classification RAI | | RAU-2 | ` , | | Follow-Up By | | | | | | | | |
| Detour Length (km) 6 Bridge Culvert Information Number of Culverts Pipe # Barrel 1 MAIN | | | | | | | | | | | | | |
| Bridge Culvert | Inform | ation | | | | | | | | | | | |
| Number of Culve | erts | | 1 | | | ı | | | | | | | |
| Pipe # | Barrel | | Span | Rise (or Dia.) | | Туре | | Length | | Corr. Profile | PI./Slab Thickness | Shape | |
| 1 MAIN - | | - | 2100 | | SP | 45.7 | | | 152X51 | | ROUND | | |
| Special Features | S | | CONC FLOOR | | | | | | | | | | |
| Special Features | s Comr | ment | | | | | | | | | | | |
| | | | | | Uti | lities (L | ocated | at) | | | | | |
| Utility Attachmer | nts | | | | | | | | | | | | |
| Telephone | South | r/w. | | | | | Gas | | | | | | |
| Power | 3 wire | s 23 m | North of c/l. | | | | Munici | pal | | | | | |
| Others | | | | | | | Proble | m (Y/N) | No | | | | |
| Remarks | Cable | runs th | rough barrel, de | | | | | | | | | | |
| | | | | A | | | | ankment | | | | | |
| Harizantal Align | mont | | | | Last | Now | | nation of | | | | | |
| Horizontal Alignment Vertical Alignment | | | | 6 6 | | In middle of gradual curve. In sag of long gradual curve. On superelevation. | | | | | | | |
| | | 9.000 | | | | · | | | | | | | |
| Roadway Width (m) Embankment | | | | 7 | 7 7 | | S end measured - high side of superelevation. | | | | | | |
| Embankment Sideslope (:1) | | 3.0 | | | | <u> </u> | | | | | | | |
| 1 (== | | 4.7) | | | | | | | | | | | |
| | | Yes | | | | S side only. | | | | | | | |
| Approach Road | d / Emb | ankme | nt General Rati | ing | 6 | 6 | | | | | | | |
| | | | | | | Upstre | am End | | | | | | |
| Culvert Compo | nent | | | | Last | Now | Explar | nation of | Condi | tion | | | |
| Direction | | | | | N | | | | | | | | |
| End Treatment (Others, None) | (Concre | ete, Stee | el, STEEL | | | | | | | | | | |
| Headwall | | | | | Х | Х | | | | | | | |
| Collar | | | Х | Х | | | | | | | | | |
| Wingwalls | | Х | Х | | | | | | | | | | |
| (Shape:) | | | | | | | | | | | | | |
| Cutoff Wall | | | | | Х | X | | | | | | | |

| | | Unctro | oom End | | | | |
|--------------------|--------------------------------|--------------|---|--|--|--|--|
| | | | Explanation of Condition | | | | |
| | | | Explanation of Condition | | | | |
| 0 | 0 | 0 | | | | | |
| | | | | | | | |
| | | | _ | | | | |
| 400 | | | Come reals Class I Craves | | | | |
| | 6 | 6 | Some rock - Class I. Sparce. | | | | |
| | | | _ | | | | |
| | | | | | | | |
| | 6 | 6 | | | | | |
| Yes | | | | | | | |
| | | | | | | | |
| | 6 | 6 | | | | | |
| | Brid | dae Cu | livert Barrel | | | | |
| | | | Explanation of Condition | | | | |
| tion Code: MAIN. S | | | , Rise (mm): 2100, Type: SP) | | | | |
| | (2000) | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | X | N | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | N | 6 | Estimate roof sag at less then 5%. | | | | |
| | | | Unable to measure due to silt on floor. | | | | |
| | | | | | | | |
| 80 | | | | | | | |
| 4 | | | | | | | |
| | N | 6 | | | | | |
| 2130 | | | | | | | |
| 6 | | | | | | | |
| 30 | | | | | | | |
| 1 | | | | | | | |
| | N | N | Concrete floor under water. | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | 1 | | | | |
| | N | 6 | | | | | |
| 0 | IN | <u> </u> | - | | | | |
| 3 | NI | 6 | Lower seams not visible. | | | | |
| 0 | IN | U | LOWER SCALES HELL VISIBLE. | | | | |
| 0 | | | | | | | |
| | | | | | | | |
| No | | | 1 | | | | |
| - | | | 1N. | | | | |
| | N | 6 | Minor superficial rust. | | | | |
| Yes | - 1 | | | | | | |
| | | | | | | | |
| + | | | | | | | |
| NEG | | | | | | | |
| NEG | | | | | | | |
| | 29-Aug-2012 80 4 2130 6 30 1 | Last 6 0 | 6 6 6 6 6 6 6 6 6 6 | | | | |

| Bridge Culvert Barrel | | | | | | | | | | |
|---|---|----------|--------|------------------------------------|--|--|--|--|--|--|
| Culvert Component | | | Now | Explanation of Condition | | | | | | |
| (Pipe # : 1, Primary Span, Locat | tion Code: MAIN, Spa | an (mm): | | , Rise (mm): 2100, Type: SP) | | | | | | |
| Fish Passage Adequacy | | 4 | 4 | Beaver dam in barrel. | | | | | | |
| Baffle | | Х | Х | | | | | | | |
| (Type:) | | | | | | | | | | |
| Waterway Adequacy | | 7 | 7 | | | | | | | |
| Icing (Y/N) | No | | | | | | | | | |
| Silting (Y/N) | No | | | | | | | | | |
| Drift (Y/N) No | | | | | | | | | | |
| Barrel General Rating | | 6 | 6 | | | | | | | |
| | | D | ownstr | ream End | | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | |
| Direction | | S | | | | | | | | |
| End Treatment (Concrete, Steel, Others, None) | End Treatment (Concrete, Steel, STEEL Others, None) | | | | | | | | | |
| Headwall | | | X | | | | | | | |
| Collar | | Х | X | | | | | | | |
| Wingwalls | | | X | | | | | | | |
| (Shape:) | | | | | | | | | | |
| Cutoff Wall | | | X | | | | | | | |
| Bevel End | | 7 | 7 | | | | | | | |
| Heaving (mm) | 0 | | | | | | | | | |
| Invert Above/Below Stream Bed | BELOW | | | | | | | | | |
| Above/Below (mm) | 400 | | | | | | | | | |
| Scour Protection | | 5 | 5 | Some rock & Class I. | | | | | | |
| (Type : RIP RAP) | | | | | | | | | | |
| (Avg. Rock Size(mm) : 250) | | | | | | | | | | |
| Scour/Erosion | | 5 | 5 | | | | | | | |
| Beavers (Y/N) Yes | | | | | | | | | | |
| Downstream End General Ratio | ng | 5 | 5 | | | | | | | |
| | | S | tructu | re Usage | | | | | | |
| | | Last | Now | Explanation of Condition | | | | | | |
| Channel (U/S and D/S) | | | | | | | | | | |
| Alignment | | | 6 | | | | | | | |
| Bank Stability | | 7 | 7 | | | | | | | |
| HWM (m below Top of Culvert) | 0.5 | | | -0.5m - grass on fence over inlet. | | | | | | |
| Drift (Y/N) Yes | | | | | | | | | | |
| Channel Bottom Degrading/Aggrading | | | | Unknown | | | | | | |
| Beavers (Y/N) Yes | | | | | | | | | | |
| (Fish Compensation Measure 1 : | | | | | | | | | | |
| (Fish Compensation Measure 2 : | NONE) | | | | | | | | | |
| Channel General Rating | | | 6 | | | | | | | |

| | | Maintenand | e Recommendations | | | | |
|--|--------------|-----------------------|---------------------------|-------------------|----------------|-----------|-------|
| Inspector Recommendations | Year | Inspector Comments | Department Cor | nments | Target Year | Est. Cost | Cat # |
| SHOTCRETE REPAIRS | | • | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | |
| REMOVE DRIFT ACCUMULATION | 2012 | Remove beaver dam. | | | | | |
| INSTALL CONCRETE/STEEL LINING | G | | | | | | |
| INSTALL STRUTS | | | | | | | |
| INSTALL CONCRETE COLLAR/CUT | OFF | | | | | | |
| REPAIR SEAMS | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| OTHER ACTION | | | | | | | |
| Structural Condition Rating (Last/N(%) | Now) 66.7/66 | Sufficiency Rating (L | .ast/Now) 60.7/60.7 | Est. Repl. Yr 202 | 0 Maint. Re | qd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | Department Comments | | | | |
| Maintenance Reviewed By | | | Date | | Estimated Tota | I 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 | 29-May-2014 | | Previous Inspection Date | 25-Aug-2010 | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | |
| Comment | | | | | | | |