| Bridge Cu | | | | | | | | | | | | | |
|--|--------------------|-------------------------|------------|-----------|---|---|---------------------------|---------------|-------------------------------|----------------|-------|--|--|
| Bridge File Num | -1 Bridge Cuive | Bridge Culvert | | | | Form Type | | | | | | | |
| Year Built 1956 | | | | | | LOT INO. | | Z | | | | | |
| Logated Over | | AWK | | | | Inspector Name | | | | | | | |
| Localed Over | ST | | 0.130, 17 | AIER | 583- | Inspector Class | | | BR CLS A | | | | |
| Located On 759:04 C1 4.316 | | | | | | Assistant Name | | Brian Cole | | | | | |
| Water Body CI./Y | Year | | | | | | | 25-Oct-2012 | | | | | |
| Navigabil. Cl./Ye | ar | | | | | Data Entry By | | Theresa Lacus | sta | | | | |
| Legal Land Loca | tion NW S | EC 13 TWP 51 I | RGE 6 W5 | М | | Data Entry Date | | 13-Nov-2012 | | | | | |
| Longitude, Latitu | ide -114:4 | 5:48, 53:24:20 | | | | Reviewer Name | | Fric Carcoux | | | | | |
| Road Authority | Albert | ta Transportation (AIT) | | | | | Review Date | | 04-Nov-2012 | | | | |
| Contract Main. A | rea CMA1 | 2 | | | | Dept. Reviewer Name | | Brent Herrick | | | | | |
| Clear Roadway/S | Skew 9.7 / | | | | | | Dept. Review Date | | 20-Nov-2012 | | | | |
| AADT/Year | 1,260 | / 2011 (A) | 2011 (A) | | | | Follow-Up By | | | | | | |
| Road Classificati | ion RCU- | 209-110 | | | | | | | | | | | |
| Detour Length (k | (m) 32 | | | | | | | | | | | | |
| Bridge Culvert I | Information | | | | | | | | | | | | |
| Ding # | Pris | 1 Spop | Diag (or l | | Turne | | Longth | | Corr Drofile | DI /Clab | Shana | | |
| Pipe # | Sarrei | Span | Rise (or I | Dia.) | туре | | Length | | Corr. Profile | Thickness | Snape | | |
| 1 N | MAIN | 5000 | 5000 | | AP | | 43.9 | | | | ARCH | | |
| Special Features | 6 | | | | | | | | | | | | |
| Special Features | s Comment | | | | | | | | | | | | |
| | | | | 114 | 1:1: /1 | | - 1) | | | | | | |
| Litility Attachmen | nte | | | Οti | inties (L | | at) | | | | | | |
| Telephone | West r/w | | | | | Gas | | | | | | | |
| Power | | | Municir | Municipal | | | | | | | | | |
| Others | Gauging stat | ion East r/w. AB | supernet | fibre o | ptics | Problem (Y/N) No | | | | | | | |
| East r/w. | | | | | | | | | | | | | |
| Remarks | | | | | | | | | | | | | |
| Ap | | | | | ch Road | d / Emba | ankment | Condit | len | | | | |
| Llerizentel Alignment | | | | | NOW 7 | Residential & field entrances each way | | | | | | | |
| Vertical Alignment | | | | 6 | 6 | In sag. Limited sight distance. | | | | | | | |
| Roadway Width | (m) | 9 700 | | | | Roadw | av in noo | or condi | ition. cracks in wheel paths. | | | | |
| | (11) | 9.700 | | | | | | | | | | | |
| Embankment | Embankment | | | 6 | 6 | Patches to roadway indicate some instability of the embankment. | | | | | | | |
| Sideslope (: | Sideslope (:1) | | 2.0 | | | | 2:1 transitioning to 3:1. | | | | | | |
| (Height of Cove | er(m) : 7) | | | | | | | | | | | | |
| Guardrail (Y/N) | | No | | | | | | | | | | | |
| Approach Road | l / Embankm | ent General Ra | ting | 6 | 6 | | | | | | | | |
| | | | | | | | | | | | | | |
| Culvert Compo | nont | | | Last | Now | Explan | ation of | Condi | tion | | | | |
| | | | | Lasi W | NOW | | | | | | | | |
| End Treatment (Concrete, Steel, CONCRETE | | | = | | | | | | | | | | |
| Headwall | | | 3 | 3 | Wide cracks between headwall and arch. Water seeping through - photo. Scaling on top of headwall. | | | | | | | | |
| Headwall | | | | | | prioto. | Scaling o | in top o | n neadwall. | | | | |
| Headwall Collar | | | | X | X | prioto | Scaling o | | | | | | |
| Headwall Collar Wingwalls | | | | X 5 | X 5 | Narrow | Scaling o | l cracki | ng and wide ve | rtical cracks. | | | |

Alberta Transportation

| Upstream End | | | | | | | | | | |
|---|----------------------|-------|---------------|--|--|--|--|--|--|--|
| Culvert Component | ulvert Component | | | Explanation of Condition | | | | | | |
| Cutoff Wall | | X | X | | | | | | | |
| | | V | V | | | | | | | |
| Bevel End | Bevel End | | X | - | | | | | | |
| | | | | | | | | | | |
| Invert Above/Below Stream Bed | BELOW | | | - | | | | | | |
| Above/Below (mm) | 0 | _ | - | | | | | | | |
| Scour Protection | | 5 | 5 | | | | | | | |
| (Type : NATURAL) | | | | _ | | | | | | |
| (Avg. Rock Size(mm) :) | | _ | | | | | | | | |
| Scour/Erosion | | 5 | 5 | | | | | | | |
| Beavers (Y/N) | No | | | | | | | | | |
| Upstream End General Rating | | 3 | 3 | | | | | | | |
| | | Brid | dge <u>Cu</u> | Ivert Barrel | | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): 5000 |), Rise (mm): 5000, Type: AP) | | | | | | |
| Barrel Last Accessible Date | 25-Oct-2012 | | | | | | | | | |
| Special Features | | | | | | | | | | |
| Special Feature | | | | | | | | | | |
| (Type:) | | | | | | | | | | |
| Special Feature | | | | | | | | | | |
| (Type:) | | 1 | - | | | | | | | |
| Roof | | 5 | 5 | Wide cracks with staining at several locations | | | | | | |
| Measured Rise (mm) | | | 0 | | | | | | | |
| Measured At Ring No | | | | - | | | | | | |
| Sag (mm) | 0 | | | - | | | | | | |
| Percent Sag | | | | - | | | | | | |
| Sidewall | | 4 | 4 | Wide crackd with heavy staining at 4 5 6 16 18 25 27 28 5 38 40m | | | | | | |
| Measured Span (mm) | | | | from u/s endphotos | | | | | | |
| Measured At Ring No | | | | Spalls and deteriorated concrete along lower wall at u/s end -photos | | | | | | |
| Deflection (mm) | 0 | | | | | | | | | |
| Percent Deflection | | | | - | | | | | | |
| | | | N | Inder water/ice | | | | | | |
| Bulge (mm) | 0 | IN | IN | Onder Water/ice. | | | | | | |
| Measured At Ring No | ~ | | | | | | | | | |
| Abrasion (Y/N) | No | | | | | | | | | |
| Circumferential Seams | | 5 | 5 | 10 to 15mm gaps in circ | | | | | | |
| Separation (mm) | 7 | 5 | 5 | Some minor patching on seams. | | | | | | |
| Longitudinal Seams | | X | X | | | | | | | |
| Total No. of Cracked Rings | | | ~ | | | | | | | |
| Total No. of Rings with Two | | | | 1 | | | | | | |
| Cracked Seams | | | | - | | | | | | |
| Min. Remaining Steel Between Cracks (mm) | | | | - | | | | | | |
| Proper Lap (Y/N) | | | | - | | | | | | |
| Longitudinal Stagger (Y/N) | | | _ | | | | | | | |
| Coating | | X | X | | | | | | | |
| Corrosion By Soil (Y/N) | | | | | | | | | | |
| Corrosion By Water (Y/N) | | | | | | | | | | |
| Camber POS/ZERO/NEG | ZERO | | | | | | | | | |

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

| | Bridge Culvert Barrel | | | | | | | | | |
|---|-----------------------|---------|----------|---|--|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, S | oan (mm | n): 5000 |), Rise (mm): 5000, Type: AP) | | | | | | |
| Ponding (Y/N) | Yes | | | | | | | | | |
| Fish Passage Adequacy | | | 7 | | | | | | | |
| Baffle | Baffle | | | | | | | | | |
| (Туре :) | | | | | | | | | | |
| Waterway Adequacy | | 7 | 7 | (1998/12/03) | | | | | | |
| Icing (Y/N) | No | | | | | | | | | |
| Silting (Y/N) | Yes | | | | | | | | | |
| Drift (Y/N) | Yes | | | | | | | | | |
| Barrel General Rating | | | 4 | | | | | | | |
| | 1 | D | ownst | ream End | | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | |
| Direction | 1 | E | | - | | | | | | |
| End Treatment (Concrete, Steel, Others, None) | CONCRETE | | _ | | | | | | | |
| Headwall | | | 3 | Cracked with 160mm gap between pipe and headwall - photo. Reb exposed with a severe loss of dimension. Headwall deforming due to soil pressures. | | | | | | |
| Collar | Collar | | | | | | | | | |
| Wingwalls | | 4 | 4 | Narrow diagonal cracking. Wide crack & spalling North wing. | | | | | | |
| (Shape : FLARE) | | | | | | | | | | |
| Cutoff Wall | | | X | | | | | | | |
| Bevel End | | X | Х | | | | | | | |
| Heaving (mm) | 0 | | | | | | | | | |
| Invert Above/Below Stream Bed | ABOVE | | | _ | | | | | | |
| Above/Below (mm) | 300 | | | | | | | | | |
| Scour Protection | | 6 | 6 | | | | | | | |
| (Type : RIP RAP) | | | | _ | | | | | | |
| (Avg. Rock Size(mm) : 400) | | | | | | | | | | |
| Scour/Erosion | | 6 | 6 | | | | | | | |
| Beavers (Y/N) | Yes | | | | | | | | | |
| Downstream End General Ration | ng | 3 | 3 | | | | | | | |
| | | | Structu | re Usage | | | | | | |
| | | Last | Now | Explanation of Condition | | | | | | |
| Channel (U/S and D/S) | | | | | | | | | | |
| Alignment | | 7 | 7 | | | | | | | |
| Bank Stability | | 7 | 7 | | | | | | | |
| HWM (m below Top of Culvert) | | | | HWM not visible | | | | | | |
| Drift (Y/N) | Yes | | | 1 | | | | | | |
| Channel Bottom Degrading/Aggrading | | | | | | | | | | |
| Beavers (Y/N) | Yes | | | | | | | | | |
| (Fish Compensation Measure 1 : | NONE) | | | | | | | | | |
| (Fish Compensation Measure 2 : | NONE) | | | | | | | | | |
| Channel General Rating | | | 7 | | | | | | | |

| Maintenance Recommendations | | | | | | | | | | | | |
|---|--|---------|------------------|-----------------------------------|---------------------|------------------------|------------------------------------|---------------|-----------------|------------|-----------|-----|
| Inspector Recommendations | | | Year | Inspecto | r Comments | | Department Com | Target Year | Est. Cost | Cat # | | |
| SHOTCRETE REPAIRS | | | | | | | | | | | | |
| PLACE ADDITION | PLACE ADDITIONAL RIP RAP | | | | | | | | | | | |
| REMOVE DRIFT | ACCUMULATION | | | | | | | | | | | |
| INSTALL CONCR | ETE/STEEL LINING | | | | | | | | | | | |
| INSTALL STRUTS | 6 | | | | | | | | | | | |
| INSTALL CONCR | ETE COLLAR/CUTC | DFF | | | | | | | | | | |
| REPAIR SEAMS | REPAIR SEAMS | | | | | | | | | | | |
| OTHER ACTION | OTHER ACTION | | 2012 | Repair h | eadwalls/wingwalls. | | | | | | | |
| OTHER ACTION | OTHER ACTION | | 2012 | Patch sid | dewalls. | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | |
| OTHER ACTION | | | | | | _ | | | | | | |
| Structural Condition Rating (Last/Now) (%) | | ow) 4 | 44.4/44. | .4 Sufficiency Rating (Las (%) | | Now) | 49.7/49.7 | Est. Repl. Yr | 2025 | Maint. Red | qd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | | | | Department Comments | | | | | | |
| Maintenance Reviewed By | | | | | | Date | | ł | Estimated Total | 0 | | |
| Proposed Long-To | erm Strategy | | | | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | | | | | |
| Proposed Action | | | | | | | | | | | | |
| Previous Inspector's Name Todd V | | | odd Warshawski P | | | Previous | ous Assistant's Name | | | | | |
| Next Inspection Date 25- | | 25-Jan- | 25-Jan-2016 | | | Previous | evious Inspection Date 25-Jan-2012 | | | | | |
| Inspection Cycle (| Inspection Cycle (Default) (months) 39 | | | | | | | | | | | |
| Comment | | | | | | | | | | | | |