| Bridge Culvert Inspection | | | | | | | | | | | | | | |
|--|---------|-----------------------|--|----------------|--------|--|---|--------------------------|--|----------------|-----------------------|---------|--|--|
| Bridge File Number 020 | | 02098 -1 | 2098 -1 Bridge Culvert | | | | Form Type | | | CUL1 | | | | |
| Year Built 1984 | | 1984 | 984 | | | | Lot No. | | 4 | | | | | |
| Bridge or Town Name THORSE | | | SBY | | | | Inspector Name | | Todd Warshawski | | | | | |
| Located Over 2ND | | 2ND OR | DER TRIBUTA | ARY TO | | | Inspec | Inspector Class BR CLS B | | | | | | |
| WA | | WATER | TRAWBERRY CREEK, 6.112.4.1, VATERCRS-ST | | | | | int Name | | | | | | |
| Located On 622:02 C | | | C1 17 406 | | | | Assistant Class | | | | | | | |
| Water Body Cl. | /Year | 51 17.400 | | | | Inspection Date | | | 16-Mar-2012 | | | | | |
| Navigabil, CL/Year | | | | | | | Data Entry By | | | Lisa Fairhurst | | | | |
| Legal Land Location SW SEC | | C 33 TWP 49 RGE 1 W5M | | | | Data Entry Date | | | 18-Apr-2012 | | | | | |
| Longitude, Latitude -114:05 | | -114:05: | 5:23, 53:15:54 | | | | | er Name | | Eric Carcoux | | | | |
| Road Authority Albert | | Alberta 7 | a Transportation (AIT) | | | | | / Date | | 09-Apr-2012 | | | | |
| Contract Main. Area CMA11 | | | | | | Dept. Reviewer Name | | Brent Herrick | | | | | | |
| Clear Roadway/Skew 9 / 30 de | | leg. (RHF) | | | | | Dept. Review Date | | 04-May-2012 | | | | | |
| AADT/Year 650 / 20 | | 650 / 20 | 011 (A) | | | | Follow-Up By | | | | | | | |
| Road Classifica | ation | RCU-20 |)9-110 | | | | | | | | | | | |
| Detour Length | (km) | 5 | | | | | | | | | | | | |
| Bridge Culvert Information | | | | | | | | | | | | | | |
| Number of Culv | /erts | | 1 | | | | | I | | | | | | |
| Pipe # | Barrel | 5 | Span | Rise (or Dia.) | | Туре | | Length | | Corr. Profile | PI./Slab Thickness | Shape | | |
| 1 | MAIN | | 1429 | 1575 | | SPE | | 113.4 | | 152X51 | 2.8 | ELLIPSE | | |
| Special Feature | es | | | | | | | | | | | | | |
| Special Feature | es Comr | ment | | | | | | | | | | | | |
| | | | | | 1 14: | | | ~ 4) | | | | | | |
| Litility Attachme | onte | | | | υü | inties (L | ocateo | at) | | | | | | |
| Telephone South ditch | | | | | | | | | | | | | | |
| Power 2 wiree 10m parth of e/l | | | | | | | Munici | l | | | | | | |
| Others | | | | | | Proble | m (Y/N) | No | | | | | | |
| Remarks BE tag on sidewall inside of S hevel | | | | | | | 1 100101 | | 10 | | | | | |
| | | <i>,</i> | | A | pproad | ch Road | l / Emb | ankment | | | | | | |
| | | | | Last | Now | Explanation of Condition | | | | | | | | |
| Horizontal Alignment | | | | 8 | 8 | Crests to E and W | | | | | | | | |
| Vertical Alignment | | | | 7 | 6 | | | | | | | | | |
| Roadway Width (m) | | 9.300 | | | | | | | | | | | | |
| Embankment | | | | | N | 4 | (Erosion in SE ditch - photo (3m wide x 5m long x 2m deep). Erosion | | | | | | | |
| Sideslope (:1) | | 3.0 | | | | in NE (| litch - phot is a gabior | o (2m n mati | n wide x 3m deep x 3m long). ttress for a 300m U/S. There are also egg- | | | | | |
| (Height of Cover(m) : 15) | | | | | | crate & velmat lining the ditches coming down to U/S & D/S ends. | | | | | | | | |
| Guardrail (Y/N) | | | No | | | | | | | | | | | |
| Approach Roa | d / Emb | bankmen | t General Rat | ing | 3 | 6 | | | | | | | | |
| | | | | | | Upstre | am End | | | | | | | |
| Culvert Compo | onent | | | | Last | Now | Explan | ation of C | ondi | tion | | | | |
| Direction | | | | | S | | | | | | | | | |
| End Treatment (Concrete, Steel, STEEL Others, None) | | | | | | | | | | | | | | |
| Headwall | | | Х | Х | | | | | | | | | | |
| Collar | | | Х | Х | | | | | | | | | | |
| Wingwalls | | | Х | Х | | | | | | | | | | |
| (Shape :) | | | | | | | | | | | | | | |
| Cutoff Wall | | | | | Х | Х | | | | | | | | |
| | | | | | | | | | | | | | | |

Alberta Transportation

| Upstream End | | | | | | | | | |
|--|--------------------|-------|---------|---|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| Bevel End | | N | 5 | (Bevel slightly torn & bent, minor. | | | | | |
| Heaving (mm) | 0 | | | | | | | | |
| Invert Above/Below Stream Bed | BELOW | | | - | | | | | |
| Above/Below (mm) | 200 | | | | | | | | |
| Scour Protection | | N N | | Snow covered. | | | | | |
| (Туре :) | | | | | | | | | |
| (Avg. Rock Size(mm) :) | | | - | | | | | | |
| Scour/Erosion | | | N | (Erosion on east bank coming down from road ditch. 22/Sept/2005) Snow covered. | | | | | |
| Beavers (Y/N) | No | | | | | | | | |
| Upstream End General Rating | | 5 | 5 | | | | | | |
| | | Duit | | | | | | | |
| Culvert Component | | Last | | Explanation of Condition | | | | | |
| (Pipe # 1, Primary Span, Local | tion Code: MAIN Sp | n (mm |): 1420 | Rise (mm): 1575, Type: SPF) | | | | | |
| Barrel Last Accessible Date | 16-Mar-2012 | | | (This culture is installed in a gradual curve, not a straight line | | | | | |
| | 10-1012 | | | (This curvert is installed in a gradual curve - not a straight line. | | | | | |
| Special Features | | | | | | | | | |
| Special Feature | | | | | | | | | |
| (Туре :) | | | | | | | | | |
| Special Feature | | | | | | | | | |
| (Туре :) | | | | | | | | | |
| Roof | | N | 7 | Pipe is eliptical, previous recorded measurements do not match site. | | | | | |
| Measured Rise (mm) | | | | Sag estimated at less than 5% | | | | | |
| Measured At Ring No. | | | | | | | | | |
| Sag (mm) | | | | | | | | | |
| Percent Sag | | | | | | | | | |
| Sidewall | | N | 7 | | | | | | |
| Measured Span (mm) | 1412 | | | - | | | | | |
| Measured At Ring No. | 13 | | | - | | | | | |
| Deflection (mm) | 0 | | | - | | | | | |
| Percent Deflection | 0 | | _ | | | | | | |
| Floor | 1 | N | N | Under water/ice | | | | | |
| Bulge (mm) | 0 | | | - | | | | | |
| Measured At Ring No. | | | | - | | | | | |
| Abrasion (Y/N) | No | | _ | | | | | | |
| Circumferential Seams | I | N | 7 | | | | | | |
| Separation (mm) | 0 | | _ | | | | | | |
| Longitudinal Seams | | N | 7 | | | | | | |
| 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 | | | 5 | (Superficial rust along bottom 1/2 culvert. 22/Sept/2005) | | | | | |
| Corrosion By Soil (Y/N) | Yes | | | Conosion on upper seams | | | | | |
| Corrosion By Water (Y/N) | Yes | | | | | | | | |
| Camber POS/ZERO/NEG | ZERO | | | | | | | | |

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

02098 -1 Bridge Culvert

| | | | dge Cu | vert Barrel | | | | |
|--|----------------------|-------|---------|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): 1429 | , Rise (mm): 1575, Type: SPE) | | | | |
| Ponding (Y/N) | No | | | | | | | |
| Fish Passage Adequacy | | | 5 | | | | | |
| Baffle | | | Х | | | | | |
| (Type:) | | | | | | | | |
| Waterway Adequacy | | N | 6 | | | | | |
| lcing (Y/N) | No | | - | | | | | |
| Silting (Y/N) | No | | | | | | | |
| Drift (Y/N) | No | | | | | | | |
| Barrel General Rating | | N | 7 | | | | | |
| | | | | | | | | |
| Culvort Component | | D | ownstr | Explanation of Condition | | | | |
| Direction | | Last | NOW | | | | | |
| End Treatment (Concrete, Steel, Others, None) | STEEL | | | | | | | |
| Headwall | | X | X | | | | | |
| | | v | v | | | | | |
| | | ^ | ^ | | | | | |
| Wingwalls | | X | X | | | | | |
| (Shape :) | | | 1 | | | | | |
| Cutoff Wall | | | X | | | | | |
| Bevel End | 1 | N | 5 | Minor dents. | | | | |
| Heaving (mm) | 0 | | | | | | | |
| Invert Above/Below Stream Bed | ABOVE | | | | | | | |
| Above/Below (mm) | 500 | | 1 | | | | | |
| Scour Protection | | N | 4 | Bevel is protruding approx 1.0m - photo. | | | | |
| | | | | - | | | | |
| (Avg. Rock Size(mm) :) | | | | | | | | |
| Scour/Erosion | 1 | N | 4 | (Erosion on downstream (scour). | | | | |
| Beavers (Y/N) | No | | | | | | | |
| Downstream End General Ration | ng | 4 | 4 | | | | | |
| | | s | structu | re Usage | | | | |
| | | | Now | Explanation of Condition | | | | |
| Channel (U/S and D/S) | | | | | | | | |
| Alignment | | | 7 | | | | | |
| Bank Stability | | | 4 | Banks are eroded. | | | | |
| HWM (m below Top of Culvert) | | | | (HWM was 2 metres above streambed on upstream end. 01/08/18) | | | | |
| Drift (Y/N) | Yes | | | (Deadfall in North channel. 22/Sept/2005) | | | | |
| Channel Bottom Degrading/Aggrading | DEGRADING | | | | | | | |
| Beavers (Y/N) | No | | | | | | | |
| (Fish Compensation Measure 1 : | NONE) | | | | | | | |
| (Fish Compensation Measure 2 : | NONE) | | | | | | | |
| Channel General Rating | | | 4 | | | | | |

| Maintenance Recommendations | | | | | | | | | | | |
|---|-----------------------------------|--|--------------------------------|--------------------|-------------|--------------------|-------|----|--|--|--|
| Inspector Recommendations | Year | Inspector Comments | Department Comm | nents | Target Year | Est. Cost | Cat # | | | | |
| SHOTCRETE REPAIRS | | | | | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | | | | | | | | | | | |
| INSTALL STRUTS | | | | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUTC | FF | | | | | | | | | | |
| REPAIR SEAMS | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| Structural Condition Rating (Last/No (%) | ow) 55.6/77 | 8 Sufficiency Rating (Last/Now) (%) | 49.1/66.8 | Est. Repl. Yr 2040 | | Maint. Reqd. (Y/N) | | No | | | |
| Special Comments for Next Inspection | u/s and d/s end. ope stability | | Department Comments | | | | | | | | |
| Maintenance Reviewed By | | | Date | | E | Estimated Total | 0 | | | | |
| Proposed Long-Term Strategy | | | | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | | | | |
| Proposed Action | | | | | | | | | | | |
| Previous Inspector's Name | Jacob Oresile | Previo | ous Assistant's Name | Assistant's Name | | | | | | | |
| Next Inspection Date | 16-Jun-2015 | Previo | us Inspection Date 03-Feb-2009 | | | | | | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | | | | | |
| Comment | | | | | | | | | | | |