| | | | | | Bridg | e Culve | ert Insp | ection | | I | | | | |
|--|---------|-----------------|---------------------------------------|-----------------------------------|----------------|--------------|------------------------------|----------------------|--------------|-----------------|-----------------------|-------------|--|--|
| Year Built Bridge or Town Name Located Over TRIBUTA 8.11.84.3 Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location NW SEC Longitude, Latitude Road Authority Contract Main. Area CMA12 Clear Roadway/Skew 9.5 / 20 d AADT/Year Road Classification RCU-209 Detour Length (km) Detour Length (km) So Bridge Culvert Information Number of Culverts 1 Pipe # Barrel S MAIN Special Features Special Features Comment Utility Attachments Telephone Power 1 line OH, 30m Others Remarks Horizontal Alignment Vertical Alignment Roadway Width (m) | | -1 Bridge Culve | rt | | | Form 7 | Form Type CUL1 | | | | | | | |
| Year Built 1986 | | | | | | Lot No. | | | 2 | | | | | |
| | | | | | Inspector Name | | | Kris Bosters | | | | | | |
| Located Over | | TRIBU | TARY TO PADE | DLE RIVE | R, | | • | | | BR CLS A | | | | |
| Located Over 8 Located On 7 Water Body CI./Year Navigabil. CI./Year Legal Land Location Notes and Authority A Contract Main. Area Contract Ma | | | · · · · · · · · · · · · · · · · · · · | (CK3-31 | | | Assistant Name | | Brian Cote | | | | | |
| | | 731.02 | C1 29.574 | | | | Assistant Class BR CLS B | | | | | | | |
| | | | | | | | Inspection Date 18-Apr-2013 | | | | | | | |
| | | NIM SE | C 22 TMP 56 E | PGE 11 W | /5N/I | | Data Entry By Lisa Fairhurst | | | | | | | |
| Longitude, Latitude -115:33:39, Road Authority Alberta Tra Contract Main. Area CMA12 Clear Roadway/Skew 9.5 / 20 deg AADT/Year 200 / 2012 Road Classification RCU-209-1 Detour Length (km) 50 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Spa | | | | GE II W | JOIVI | | | ntry Date | | 24-Apr-2013 | | | | |
| | | | · | (AIT) | | | Reviewer Name | | Eric Carcoux | | | | | |
| Navigabil. Cl./Year Legal Land Location NW SEC 2 Longitude, Latitude -115:33:39 Road Authority Alberta Tr. Contract Main. Area CMA12 Clear Roadway/Skew 9.5 / 20 de AADT/Year 200 / 2012 Road Classification RCU-209- Detour Length (km) 50 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp. 1 MAIN - Special Features Special Features Comment Utility Attachments Telephone Power 1 line OH, 30m E. Others | | · | (Δ11) | | | | Review Date 21-Apr-2013 | | | | | | | |
| | | | | Dept. Reviewer Name Brent Herrick | | | | | | | | | | |
| | | | 5 / 20 deg. (RHF) | | | | Dept. Review Date | | | 01-May-2013 | | | | |
| | | | | | | Follow-Up By | | | | | | | | |
| | | | 30 110 | | | | | | | | | | | |
| | | | | | | | | | | <u> </u> | | | | |
| | | | 1 | | | | | | | | | | | |
| | | | Span | Rise (or | Dia.) | Туре | | Length | | Corr. Profile | Pl./Slab Thickness | Shape | | |
| 1 1 | MAIN | | - | 1500 | | SP | | 51.2 | | 152X51 | 2.8 | ROUND | | |
| Special Features | s | | | | | | | ' | | | | | | |
| | | nent | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Little Attackers | -1- | | | | Uti | ilities (L | ocated | at) | | | | | | |
| | nis | | | | | | Gas | | | | | | | |
| Telephone | | | | | | nol | | | | | | | | |
| · | | | | | | Munici | | No | | | | | | |
| | | | | | | | FIODIE | III (171 N) | INO | | | | | |
| Remarks | | | | Α | pproac | ch Road | l / Emb | ankment | | | | | | |
| | | | | | Last | Now | | ation of | Condi | tion | | | | |
| Horizontal Align | ment | | | | 6 | 6 | Culver | t installed | on a c | urve. Limited s | ight distance, | no passing. | | |
| Vertical Alignme | ent | | | | 7 | 7 | | | | | | | | |
| Roadway Width (m) | | 9.500 | 9.500 | | | | | | | | | | | |
| Embankment | | | | | 7 | 7 | | | | | | | | |
| Sideslope (: | :1) | | 3.0 | | | _ | 1 | | | | | | | |
| (Height of Cov | /er(m): | 6.5) | | | | | | | | | | | | |
| Guardrail (Y/N) No | | | | | | | | | | | | | | |
| Approach Road | d / Emb | ankme | nt General Rat | ing | 6 | 6 | | | | | | | | |
| | | | | | | Upstre | am End | | | | | | | |
| Culvert Compo | nent | | | | Last | Now | T . | nation of | Condi | tion | | | | |
| Direction | | W | | BF tag installed at crown. | | | | | | | | | | |
| End Treatment (Concrete, Steel, STEEL Others, None) | | | | | | | | | | | | | | |
| Headwall | | Х | X | | | | | | | | | | | |
| Collar | | | Х | Х | | | | | | | | | | |
| Wingwalls | | | Х | Х | | | | | | | | | | |
| (Shape:) | | | | | | | | | | | | | | |
| Cutoff Wall | | | | | X | X | | | | | | | | |

| | | | Lingtro | om End |
|--|---------------------|---------|---------|--|
| Culvert Component | | Last | Now | am End Explanation of Condition |
| Bevel End | | 6 | N | Snow covered. Debris appears to be lodged at inlet |
| | 0 | - 0 | IN | Show covered. Debits appears to be lodged at littlet |
| Heaving (mm) Invert Above/Below Stream Bed | 0 ABOVE | | | |
| | - | | | |
| Above/Below (mm) Scour Protection | 50 | 7 | l NI | |
| | | 7 | N | |
| (Type : RIP RAP) | | | | |
| (Avg. Rock Size(mm) : 500) | | | | |
| Scour/Erosion | | 7 | N | |
| Beavers (Y/N) | No | | _ | |
| Upstream End General Rating | | 6 | 6 | GR carried forward |
| | | Brid | dae Cu | lvert Barrel |
| Culvert Component | | | Now | Explanation of Condition |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN. Sn | | | , Rise (mm): 1500, Type: SP) |
| Barrel Last Accessible Date | 19-Nov-2009 | (······ | ,- | Not accessible. Viewed from ends and shape appears OK |
| Darrer Last Accessible Date | 13-1107-2003 | | | Thou accessible. Viewed from ends and shape appears ON |
| Special Features | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Special Feature | | | | |
| (Type:) | | | | |
| Roof | | 7 | N | |
| Measured Rise (mm) | 1479 | | | |
| Measured At Ring No. | 4 | | | |
| Sag (mm) | 21 | | | 1.4% |
| Percent Sag | 1 | | | 1.170 |
| Sidewall | | 7 | N | |
| Measured Span (mm) | 1522 | | | |
| Measured At Ring No. | 4 | | | |
| Deflection (mm) | 22 | | | 1.5% |
| Percent Deflection | 2 | | | 1.570 |
| Floor | _ | 8 | N | |
| Bulge (mm) | 0 | | - ' | |
| Measured At Ring No. | - | | | |
| Abrasion (Y/N) | No | | | |
| Circumferential Seams | - | 8 | N | |
| Separation (mm) | 0 | 3 | 1 1 1 | - |
| Longitudinal Seams | <u> </u> | 8 | N | |
| Total No. of Cracked Rings | 0 | 0 | IN | |
| Total No. of Rings with Two | 0 | | | |
| Cracked Seams Min. Remaining Steel | | | | 1N |
| Between Cracks (mm) | \ | | | |
| Proper Lap (Y/N) | Yes | | | |
| Longitudinal Stagger (Y/N) | Yes | | | |
| Coating | l | 7 | N | |
| Corrosion By Soil (Y/N) | No | | | |
| Corrosion By Water (Y/N) | Yes | | | |
| Camber POS/ZERO/NEG | ZERO | | | |
| Ponding (Y/N) | Yes | | | (700mm at outlet. Nov 19/2009) |

| | | Bric | lge Cu | lvert Barrel | | | | |
|---|----------------------|-------|--------|---|--|--|--|--|
| | | | | Explanation of Condition | | | | |
| (Pipe # : 1, Primary Span, Locat | tion Code: MAIN, Spa | n (mm |): | , Rise (mm): 1500, Type: SP) | | | | |
| Fish Passage Adequacy | | 7 | 7 | | | | | |
| Baffle | | Х | Х | | | | | |
| (Type:) | | | | | | | | |
| Waterway Adequacy | | 6 | 5 | Scour pool forming d/s | | | | |
| Icing (Y/N) | No | | | | | | | |
| Silting (Y/N) | No | | | | | | | |
| Drift (Y/N) | Yes | | | | | | | |
| Barrel General Rating | | 7 | N | Last rated 7 on Nov 19/2009 | | | | |
| | | D | ownstr | ream End | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | |
| Direction | | Е | | | | | | |
| End Treatment (Concrete, Steel, Others, None) | STEEL | | | | | | | |
| Headwall | | Х | X | | | | | |
| Collar | | Х | X | | | | | |
| Wingwalls | | X | X | | | | | |
| (Shape:) | | | | | | | | |
| Cutoff Wall | | Х | X | | | | | |
| Bevel End | | 7 | N | | | | | |
| Heaving (mm) | 0 | | | | | | | |
| Invert Above/Below Stream Bed | BELOW | | | | | | | |
| Above/Below (mm) | 400 | | | | | | | |
| Scour Protection | | 5 | N | | | | | |
| (Type : RIP RAP) | | | | | | | | |
| (Avg. Rock Size(mm) : 500) | | | | | | | | |
| Scour/Erosion | | 5 | N | Scour pool appears to be forming d/s through snow | | | | |
| Beavers (Y/N) | No | | | | | | | |
| Downstream End General Ratin | ng | 5 | 5 | GR carried forward from Nov 19/2009 | | | | |
| | | s | tructu | re Usage | | | | |
| | | Last | Now | Explanation of Condition | | | | |
| Channel (U/S and D/S) | | | 1 | | | | | |
| Alignment | | 7 | 7 | | | | | |
| Bank Stability | | 8 | 8 | | | | | |
| HWM (m below Top of Culvert) | 0.0 | | | Drift at crown of upstream invert. | | | | |
| Drift (Y/N) | Yes | | | | | | | |
| Channel Bottom Degrading/Aggrading DEGRADING | | | | | | | | |
| Beavers (Y/N) | No | | | | | | | |
| (Fish Compensation Measure 1 : | NONE) | | | | | | | |
| (Fish Compensation Measure 2 : | NONE) | | | | | | | |
| Channel General Rating | | 7 | 7 | | | | | |

| | | Ma | intenance Recomme | ndations | | | | | |
|--|--------------|--------------------|-------------------|------------------------|---------------|----------------|---------------|-----------|-------|
| Inspector Recommendations | Year | Inspector Comments | | Department Com | ments | | Target Year | Est. Cost | Cat # |
| SHOTCRETE REPAIRS | | | | | | | - | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | 2013 | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | } | | | | | | | | |
| INSTALL STRUTS | | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUT | OFF | | | | | | | | |
| REPAIR SEAMS | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| OTHER ACTION | | | | | | | | | |
| Structural Condition Rating (Last/N (%) | low) 77.8/55 | .6 Sufficiency (%) | Rating (Last/Now) | 70.3/57.0 | Est. Repl. Yr | 2040 Maint. Re | | qd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | | Department Comments | | | | | |
| Maintenance Reviewed By | | | | Date | | E | stimated Tota | I 0 | |
| Proposed Long-Term Strategy | | | | | | | | | |
| On 3-Year Program (Y/N) | | | | | | | | | |
| Proposed Action | | | | | | | | | |
| Previous Inspector's Name | Kris Bosters | | Previou | ıs Assistant's Name | Sara Wadlow | | | | |
| Next Inspection Date | 18-Jul-2016 | | Previou | us Inspection Date | 19-Nov-2009 | | | | |
| Inspection Cycle (Default) (months) | 39 | | | | | | | | |
| Comment | | | | | | | | | |