| | | | | | Bridg | e Culve | ert Inspe | ection | | | | | | | |
|----------------------------------|--------------------|-------------------|----------------------------|---------------------|-----------------|--------------------------|---------------------|----------|-----------------|---------------|-----------------------|-------|--|--|--|
| Bridge File Number 79219 -1 | | -1 Bridge Culvert | | | | Form Type | | CUL1 | | | | | | | |
| Year Built 1979 | | | | | | | Lot No. | | 1 | | | | | | |
| Bridge or Town Name VILLENE | | | EUVE | | | | Inspector Name | | Melanie Johnson | | | | | | |
| Located Over 2ND ORD RIVER 6 | | | RDER TRIBUTARY TO STURGEON | | | | Inspector Class | | BR CLS B | | | | | | |
| Located On 37:02 C1 | | | 1 33 823 | | | | Assistant Name | | | | | | | | |
| Water Body CL/Year | | | 00.020 | | | | Assistant Class | | | | | | | | |
| Navigabil, CL/Ye | | | | | Inspection Date | | 08-Nov-2011 | | | | | | | | |
| Legal Land Location SW SEC | | | 2 TWP 55 RC | GE 26 W4 | łM | | Data Entry By | | | Theresa Lacus | sta | | | | |
| Longitude, Latitude -113:45:5 | | 56. 53:42:59 | | Data Entry Date | | 19-Nov-2011 | | | | | | | | | |
| Road Authority Alberta | | lberta T | a Transportation (AIT) | | | | | er Name | | Eric Carcoux | | | | | |
| Contract Main. Area CMA09 | | | | | | | Dept. Roviewor Neme | | 13-NOV-2011 | | | | | | |
| Clear Roadway/Skew 12 / -45 c | | deg. (LHF) | | Dept. Reviewer Name | | | | | | | | | | | |
| AADT/Year | 5, | 060 / 20 | 2010 (A) | | | | Dept. Review Date | | 15-Dec-2011 | | | | | | |
| Road Classificat | tion R. | AU-211 | 1.8-110 | | | | | брЪу | | | | | | | |
| Detour Length (I | km) 6 | | | | | | | | | | | | | | |
| Bridge Culvert Information | | | | | | | | | | | | | | | |
| Number of Culve | erts | 1 | | 1 | | | | | | | | | | | |
| Pipe # | Barrel | S | Span | Rise (or | Dia.) | Туре | | Length | | Corr. Profile | PI./Slab Thickness | Shape | | | |
| 1 [| MAIN | 2 | 057 | 1499 | | FP | | 29 | | 68X13 | | ARCH | | | |
| Special Features | s | | | | | | | | | | | | | | |
| Special Features | s Comme | ent | | | | | | | | | | | | | |
| | | | | | Uti | ilities (L | ocated | at) | | | | | | | |
| Utility Attachmer | nts | | | | | | | | | | | | | | |
| Telephone South row | | | | | | | Gas | | | | | | | | |
| Power | 5 wire O | e OH North row | | | | | Municip | bal | | | | | | | |
| Others | Dthers | | | | Problem | | | m (Y/N) | No | | | | | | |
| Remarks | | | | | | | | | | | | | | | |
| Ar | | | | | pproa | roach Road / Empandment | | | | | | | | | |
| Horizontal Alignment | | | | | NOW 7 | Explanation of condition | | | | | | | | | |
| Nonzontal Alignment | | | | | 8 | 8 | Faille | mances | easia | west. | | | | | |
| Roadway Width (m) | | 12.000 | | 0 | 0 | | | | | | | | | | |
| | | | | | 0 | • | | | | | | | | | |
| Embankment | - 4) | | 5.0 | | 8 | 8 | | | | | | | | | |
| Sidesiope (: | :1) | 7) | 5.0 | | | | - | | | | | | | | |
| (Height of Cov | /er(m) : U. | .7) | No | | | | | | | | | | | | |
| | | | | | | - | | | | | | | | | |
| Approach Road | d / Embai | nkment | t General Rat | ing | 7 | 7 | | | | | | | | | |
| | | | | | | Upstre | am End | | | | | | | | |
| Culvert Compo | nent | | | | Last | Now | Explan | ation of | Condi | tion | | | | | |
| Direction | | | | | N | | - | | | | | | | | |
| End Treatment (Others, None) | (Concrete | , Steel, | STEEL | | | | | | | | | | | | |
| Headwall | | | X | X | | | | | | | | | | | |
| Collar | | | X | Х | | | | | | | | | | | |
| Wingwalls | | | X | X | | | | | | | | | | | |
| (Shape :) | | | | | | | | | | | | | | | |
| Cutoff Wall | | | | X | X | | | | | | | | | | |

Alberta Transportation

| Upstream End | | | | | | | | | |
|--|----------------------|-------|---------|--|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| Bevel End | | N | 6 | | | | | | |
| Heaving (mm) | 100 | | | | | | | | |
| Invert Above/Below Stream Bed BELOW | | | | | | | | | |
| Above/Below (mm) 400 | | | 1 | | | | | | |
| Scour Protection | | N | 6 | | | | | | |
| (Type : RIP RAP) | | | | | | | | | |
| (Avg. Rock Size(mm) : 300) | | 1 | 1 | | | | | | |
| Scour/Erosion | | | 6 | | | | | | |
| Beavers (Y/N) No | | | | | | | | | |
| Upstream End General Rating | | | 6 | | | | | | |
| | | Bric | dge Cu | lvert Barrel | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | n (mm |): 2057 | , Rise (mm): 1499, Type: FP) | | | | | |
| Barrel Last Accessible Date | 08-Nov-2011 | | | | | | | | |
| Special Features | | | | | | | | | |
| Special Feature | | | | | | | | | |
| (Туре :) | | | | | | | | | |
| Special Feature | | | | | | | | | |
| (Туре :) | | | | | | | | | |
| Roof | | N | 2 | | | | | | |
| Measured Rise (mm) | 1050 | | | Reverse curvatureWorst @ N 4m from u/s. photo | | | | | |
| Measured At Ring No. | | | | (1330 fiear 0/1, 7.3%. 2003/10/01) | | | | | |
| Sag (mm) | 449 | | | U/S - 1417, D/S approx 250mm silt09-May-2008 | | | | | |
| Percent Sag | 30 | | | | | | | | |
| Sidewall | | N | 5 | Failed coupler | | | | | |
| Measured Span (mm) | 2175 | | | | | | | | |
| Measured At Ring No. | | | | | | | | | |
| Deflection (mm) | 118 | | | | | | | | |
| Percent Deflection | 6 | | | | | | | | |
| Floor | | N | N | Ice & silt covered floor. | | | | | |
| Bulge (mm) | 0 | | | | | | | | |
| Measured At Ring No. | | | | | | | | | |
| Abrasion (Y/N) | No | | | | | | | | |
| Circumferential Seams | | N | 2 | Severe dent is grouted with concrete. 4m U/S & 4m D/S. Reverse | | | | | |
| Separation (mm) | 125 | | | curve-photo | | | | | |
| Longitudinal Seams | | X | X | | | | | | |
| Total No. of Cracked Rings | | | |] | | | | | |
| Total No. of Rings with Two Cracked Seams | | | | | | | | | |
| Min. Remaining Steel Between Cracks (mm) | | | | | | | | | |
| Proper Lap (Y/N) | | | | | | | | | |
| Longitudinal Stagger (Y/N) | | | | | | | | | |
| Coating | | N | 4 | | | | | | |
| Corrosion By Soil (Y/N) | No | | | | | | | | |
| Corrosion By Water (Y/N) | Yes | | | | | | | | |
| Camber POS/ZERO/NEG | ZERO | | | | | | | | |
| Ponding (Y/N) | No | | | | | | | | |

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

| Bridge Culvert Barrel | | | | | | | | | |
|---|----------------|------|------------------|------------------------------------|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| (Pipe # : 1, Primary Span, Location Code: MAIN, Spa | | |): 2057 | , Rise (mm): 1499, Type: FP) | | | | | |
| Fish Passage Adequacy | | | 6 | | | | | | |
| Baffle | | | Х | | | | | | |
| (Type :) | | | | | | | | | |
| Waterway Adequacy | | 6 | 6 | | | | | | |
| Icing (Y/N) | No | | | | | | | | |
| Silting (Y/N) | No | | | | | | | | |
| Drift (Y/N) | Drift (Y/N) No | | | | | | | | |
| Barrel General Rating | | | 2 | | | | | | |
| | | | | com End | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | |
| Direction | | S | non | | | | | | |
| End Treatment (Concrete, Steel, Others, None) | STEEL | | | | | | | | |
| Headwall | | Х | X | | | | | | |
| Collar | | | Х | | | | | | |
| Wingwalls | | Х | Х | | | | | | |
| (Shape :) | | | | | | | | | |
| Cutoff Wall | | | X | | | | | | |
| Bevel End | | | 6 | | | | | | |
| Heaving (mm) | 50 | | | | | | | | |
| Invert Above/Below Stream Bed | BELOW | | | | | | | | |
| Above/Below (mm) 250 | | | | | | | | | |
| Scour Protection | | | 7 | | | | | | |
| (Type : RIP RAP) | | | | | | | | | |
| (Avg. Rock Size(mm) : 200) | | | | | | | | | |
| Scour/Erosion | | | 7 | | | | | | |
| Beavers (Y/N) No | | | | | | | | | |
| Downstream End General Ratin | ng | 6 | 6 | | | | | | |
| | | s | Str <u>uctur</u> | re Usage | | | | | |
| | | Last | Now | Explanation of Condition | | | | | |
| Channel (U/S and D/S) | | | | | | | | | |
| Alignment | | | 5 | Sharp bends to ditches, both ends. | | | | | |
| Bank Stability | | | 7 | | | | | | |
| HWM (m below Top of Culvert) | | | | HWM not visible. | | | | | |
| Drift (Y/N) | No | | | | | | | | |
| Channel Bottom Degrading/Aggrading | | | | | | | | | |
| Beavers (Y/N) No | | | | | | | | | |
| (Fish Compensation Measure 1 : | NONE) | | | | | | | | |
| (Fish Compensation Measure 2 : | NONE) | | | | | | | | |
| Channel General Rating | | | 5 | | | | | | |

| Maintenance Recommendations | | | | | | | | | | | |
|--|-----------------------|--------|--------------------------------------|------------------------|-------------------------------|-----------|-----------------|-----------|-----|--|--|
| Inspector Recommendations | Yea | ar Ir | nspector Comments | Department Com | Target Year | Est. Cost | Cat # | | | | |
| SHOTCRETE REPAIRS | | | | | | | | | | | |
| PLACE ADDITIONAL RIP RAP | | | | | | | | | | | |
| REMOVE DRIFT ACCUMULATION | | | | | | | | | | | |
| INSTALL CONCRETE/STEEL LINING | | | | | | | | | | | |
| INSTALL STRUTS | | | | | | | | | | | |
| INSTALL CONCRETE COLLAR/CUTC | DFF | | | | | | | | | | |
| REPAIR SEAMS | 201 | 11 R | Repair reverse curvature @ seams. | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | |
| Structural Condition Rating (Last/No (%) | ow) 22.2 | 2/22.2 | Sufficiency Rating (Last/Now) (%) | 40.1/39.0 | Est. Repl. Yr | 2025 | Maint. Red | qd. (Y/N) | Yes | | |
| Special Comments for Next Inspection | cycle to 12 r 011. | months | until repair is done. | 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 | Shane Hall | I | Prev | vious Assistant's Name | Assistant's Name | | | | | | |
| Next Inspection Date 08-Au | | 13 | Prev | vious Inspection Date | s Inspection Date 23-Mar-2010 | | | | | | |
| Inspection Cycle (Default) (months) 21 | | | | | | | | | | | |
| Comment | | | | | | | | | | | |