| Bridge Culvert Inspection | | | | | | | | | | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------|----------------|---------------------------|----------|------------------|------------------|----------|-----------------|-----------------------------------|---------|--|--|--|
| Bridge File Number 71734 -1 Bridge Culvert | | | | rt | | | | уре | | CUL1 | | | | | |
| Year Built 1989 | | | 39 | | | | Lot No. | | | 3 | | | | | |
| Bridge or Town Name EXSHAV | | | HAW | | | | Inspector Name | | | Garry Roberts | | | | | |
| Located Over | AW CREEK, 2.13.60, WATERCRS-ST | | | | Inspector Class | | | BR CLS A | | | | | | | |
| Located On | | | | Assistant Name | | | | | | | | | | | |
| Water Body Cl. | | | | | | nt Class | | | | | | | | | |
| Navigabil. Cl./Year | | | | | | | | tion Date | | 31-Aug-2012 | | | | | |
| Legal Land Loc | ation | SW SEC | C 23 TWP 24 RGE 9 W5M | | | | | ntry By | | Lauren Korte | | | | | |
| Longitude, Latitude -115:09:4 | | | 9:41, 51:03:34 | | | | | ntry Date | • | 03-Oct-2012 | | | | | |
| Road Authority Alberta T | | | a Transportation (AIT) | | | | | er Name | • | Joel Wozney | | | | | |
| Contract Main. Area CMA28 | | | 8 | | | | | / Date | | 20-Sep-2012 | | | | | |
| Clear Roadway | /Skew | 11.8 / | | | | | | Reviewer | Name | Tim Davies | | | | | |
| AADT/Year | | 1,260 / 20 | / 2011 (A) | | | | | Review Da | ate | 11-Oct-2012 | | | | | |
| Road Classifica | ation | RAU-210 | 210-110 | | | | | -Uр Ву | | | | | | | |
| Detour Length (| (km) | 3 | | | | | | | | | | | | | |
| Bridge Culvert Information | | | | | | | | | | | | | | | |
| Number of Culv | /erts | 1 | | - . (| <u> </u> | _ | | | | ~ ~ ~ ~ | | | | | |
| Pipe # | Barrel | S | pan | Rise (or | | Туре | | Length | | Corr. Profile | PI./Slab Thickness | Shape | | | |
| 1 | MAIN | 1 | 2000 | 3008 | | RPB | | 14 | | 152X51 | 4.0 | ELLIPSE | | | |
| Special Feature | es | S | IDEWALK | | | | | | | | • | | | | |
| Special Features Comment | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Utilities (Located at) | | | | | | | | | | | | | | | |
| Utility Attachme | ents II | FELEPHONE UTILITIES-PHONE LINE | | | | | | | | | | | | | |
| Telephone | North | & South d | | | | Gas | | | 20m S | | | | | | |
| Power | 5 wire | | | | | | Nunici | | | | | | | | |
| Others | Light s | standard @ | wer poles. @ NE. | | Proble | | | Problem (Y/N) NO | | | | | | | |
| Remarks | Remarks | | | | | | | | | | | | | | |
| | | | | Α | pproad | ch Road | d / Emb | ankment | | | | | | | |
| | Last | Now | Explanation of Condition | | | | | | | | | | | | |
| Horizontal Alignment | | | 6 | 6 | | | | | | | | | | | |
| Vertical Alignment | | | | | 6 | 6 | | | | | | | | | |
| Roadway Width (m) | | | 11.800 | | | | | | | | | | | | |
| Embankment | | | | | 7 | 7 | 4:1 @ | North. | | | | | | | |
| Sideslope (| _:1) | | 3.0 | | | | 1 | | | | | | | | |
| (Height of Co | ver(m) : | 1) | | | | | | | | | | | | | |
| Guardrail (Y/N) | Guardrail (Y/N) | | Yes | | | | Wrong 3 broke | lap at SE | E. Missi | ng 4 splice bol | g 4 splice bolts at NE. roach. | | | | |
| Approach Roa | d / Emb | bankment | General Rat | ing | 6 | 6 | | | | | | | | | |
| | | | | | | Upstre | am End | | | | | | | | |
| Culvert Compo | onent | | | | Last | Now | Explan | ation of | Condi | tion | | | | | |
| Direction | | | | | North. | | | | | | | | | | |
| End Treatment (Concrete, Steel, CONCRETE | | | | | | | | | | | | | | | |
| Headwall | | | 7 | 7 | Narrow and medium cracks. | | | | | | | | | | |
| Collar | | | X | Х | | | | | | | | | | | |
| Wingwalls | | | 7 | 7 | | | | | | | | | | | |
| (Shape:) | | | | | | | | | | | | | | | |
| Cutoff Wall | | | | | x | X | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Alberta Transportation

| | | 1 | Upstre | eam End | | | | | | |
|--|--|--------|---------|--|--|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | |
| Bevel End | | Х | X | | | | | | | |
| Heaving (mm) | 0 | | | | | | | | | |
| Invert Above/Below Stream Bed | | | | | | | | | | |
| Above/Below (mm) | | | | | | | | | | |
| Scour Protection | | 7 | 7 | | | | | | | |
| (Type : RIP RAP) | | | | | | | | | | |
| (Avg. Rock Size(mm) : 450) | | | | | | | | | | |
| Scour/Erosion | | 7 | 7 | | | | | | | |
| Beavers (Y/N) | No | | | | | | | | | |
| Upstream End General Rating | | 7 | 7 | | | | | | | |
| | | Brio | dae Cu | Ivert Barrel | | | | | | |
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | |
| (Pipe # : 1, Primary Span, Loca | tion Code: MAIN, Spa | in (mm |): 1200 | 0, Rise (mm): 3008, Type: RPB) | | | | | | |
| Barrel Last Accessible Date | 31-Aug-2012 | | | | | | | | | |
| | 5 | | | | | | | | | |
| Special Features | | 1 | | | | | | | | |
| Special Feature | | 3 | 3 | Isolated corrosion stains. | | | | | | |
| (Type : SIDEWALK) | | 1 | - | Missing 2 A/B nuts at ped rail. | | | | | | |
| Special Feature | | | | | | | | | | |
| (Type :) | | | | | | | | | | |
| Roof | | 6 | 6 | Several plates sagged 50mm estimated. | | | | | | |
| Measured Rise (mm) | | | | | | | | | | |
| Measured At Ring No | | | | | | | | | | |
| Sag (mm) | 50 | | | - | | | | | | |
| Percent Sag | 1 | | | | | | | | | |
| Sidewall | 1 | 7 | 7 | Factings @ cidewalls_light cooling | | | | | | |
| | | 1 | 1 | Footings @ sidewalls - light scalling. | | | | | | |
| Measured Span (mm) | | | | - | | | | | | |
| Measured At Ring No. | | | | - | | | | | | |
| Deflection (mm) | 0 | | | - | | | | | | |
| Percent Deflection | | | _ | | | | | | | |
| Floor | | X | X | Rock floor. | | | | | | |
| Bulge (mm) | | | | - | | | | | | |
| Measured At Ring No. | | | | - | | | | | | |
| Abrasion (Y/N) | | | | | | | | | | |
| Circumferential Seams | | 7 | 7 | | | | | | | |
| Separation (mm) | 0 | | | | | | | | | |
| Longitudinal Seams | | 7 | 7 | | | | | | | |
| Total No. of Cracked Rings | 0 | | | | | | | | | |
| Total No. of Rings with Two Cracked Seams | Total No. of Rings with Two 0 Cracked Seams | | | | | | | | | |
| Min. Remaining Steel Between Cracks (mm) | | | | 1 seam each sidewall not staggered. | | | | | | |
| Proper Lap (Y/N) | Yes | | | 1 | | | | | | |
| Longitudinal Stagger (Y/N) | No | | | 1 | | | | | | |
| Coating | | 1 | Λ | Isolated areas with pitting corrosion at bottom sidewall - worst @ | | | | | | |
| Corrosion By Soil (V/N) | Vec | 4 | 4 | East. | | | | | | |
| Correction By Water (V/N) | Voc | | | Alkalai stains @ longitudinal seams | | | | | | |
| | 7500 | | | nikaiai siailis 🤤 iuliyiluuillal seallis | | | | | | |
| Camper POS/ZERO/NEG | ZEKU | | | | | | | | | |
| Ponding (Y/N) | No | | | | | | | | | |

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

| | | Bric | lge Cu | vert Barrel | | | | | | | |
|---|---------------------------------|----------|---------|---|--|--|--|--|--|--|--|
| Culvert Component | | Last | Now | Explanation of Condition | | | | | | | |
| (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 12000, Rise (mm): 3008, Type: RPB) | | | | | | | | | | | |
| Fish Passage Adequacy | | 5 | X | | | | | | | | |
| Baffle | | Х | Х | | | | | | | | |
| (Туре :) | | | | | | | | | | | |
| Waterway Adequacy | | 6 6 | | 1 m silt washed onto floor. | | | | | | | |
| Icing (Y/N) | No | | | Has flow from culvert to NW | | | | | | | |
| Silting (Y/N) | Yes | | | | | | | | | | |
| Drift (Y/N) | No | | | | | | | | | | |
| Barrel General Rating | | 6 6 | | | | | | | | | |
| Downstream End | | | | | | | | | | | |
| Culvert Component | | Last Now | | Explanation of Condition | | | | | | | |
| Direction | | | | South. | | | | | | | |
| End Treatment (Concrete, Steel, Others, None) | CONCRETE | | | | | | | | | | |
| Headwall | | 7 | 6 | Some minor cracking and spalls with efflorescence @ SE. | | | | | | | |
| Collar | | Х | X | | | | | | | | |
| Wingwalls | | 7 | 7 | Medium width cracks @ SE. | | | | | | | |
| (Shape :) | | | | | | | | | | | |
| Cutoff Wall | | Х | X | | | | | | | | |
| Bevel End | | Х | X | | | | | | | | |
| Heaving (mm) | 0 | | | | | | | | | | |
| Invert Above/Below Stream Bed | | | | | | | | | | | |
| Above/Below (mm) | | | | | | | | | | | |
| Scour Protection | | 8 | 8 | | | | | | | | |
| (Type : RIP RAP) | | | | | | | | | | | |
| (Avg. Rock Size(mm) : 200) | | | | | | | | | | | |
| Scour/Erosion | | 8 | 8 | | | | | | | | |
| Beavers (Y/N) | No | | | | | | | | | | |
| Downstream End General Ratin | ng | 7 | 6 | | | | | | | | |
| | | S | tructur | re Usage | | | | | | | |
| | | Last | Now | Explanation of Condition | | | | | | | |
| Channel (U/S and D/S) | | | | | | | | | | | |
| Alignment | | 5 | 5 | Culvert to NW -warm discharge. Flows against footing @ NE. Rail road bridge 70m D/S. | | | | | | | |
| Bank Stability | | 7 | 7 | | | | | | | | |
| HWM (m below Top of Culvert) | WM (m below Top of Culvert) 1.0 | | | No visible HWM (1.0m in 1995) | | | | | | | |
| Drift (Y/N) | No | | | | | | | | | | |
| Channel Bottom AGGRADING Degrading/Aggrading | | | | | | | | | | | |
| Beavers (Y/N) No | | | | | | | | | | | |
| (Fish Compensation Measure 1 : | NONE) | | | | | | | | | | |
| (Fish Compensation Measure 2 : | NONE) | | | | | | | | | | |
| Channel General Rating | | | 5 | | | | | | | | |

| Maintenance Recommendations | | | | | | | | | | | | |
|---|-----------------|---------------------------|-----------------------------------|-----------------------------------|-----------------|--------------------------------|-----|-------------------|---|----------------|-----------|-----|
| Inspector Recommendations | Ye | ear | Inspecto | r Comments | | Department Con | ts | | 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 | | | | | | | | | | | | |
| OTHER ACTION | 20 | 013 | Galvacon coating @ East sidewall. | | | | | | | | | |
| OTHER ACTION | 20 | 013 | Install 2 post | post A/B nuts- install 3 T.T. a | approach | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | |
| OTHER ACTION | | | | | | | | | | | | |
| Structural Condition Rating (Last/No (%) | ow) 66 | 66.7/66.7 Sufficiency (%) | | Sufficiency Rating (Last/N (%) | /Now) 66.4/65.6 | | Est | st. Repl. Yr 2030 | | Maint. Red | qd. (Y/N) | Yes |
| Special Comments for Next Inspection | | | | | | Department Comments | | | | | | |
| Maintenance Reviewed By | | | | | | Date | | | E | stimated Total | 0 | |
| Proposed Long-Term Strategy | | | | | | | | | , i i i i i i i i i i i i i i i i i i i | | | |
| On 3-Year Program (Y/N) | | | | | | | | | | | | |
| Proposed Action | | | | | | | | | | | | |
| Previous Inspector's Name | Garry Roberts F | | | | | Is Assistant's Name | | | | | | |
| Next Inspection Date | 31-May-2014 P | | | | Previous | Is Inspection Date 28-Sep-2010 | | | | | | |
| Inspection Cycle (Default) (months) | 21 | | | | | | | | | | | |
| Comment | | | | | | | | | | | | |