Bridge Culvert Inspection         Bridge File Number       81060 - 1 Bridge Culvert       Form Type         Year Built       1987       Lot No.         Bridge or Town Name       WESTEROSE       Inspector Name         Located Over       PIGEON LAKE CREEK, 5.62, WATERCRS- ST       Inspector Class         Located On       13:06 C1 28.839       Assistant Name         Navigabil. Cl./Year       Inspection Date       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry By         Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Review Date         Contract Main. Area       CMA17       Dept. Review Date         Colassification       RAU-209-110       Det.       Follow-Up By         Detour Length (km)       5       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1200       SPP       24.5<	CULM 4 CWEN Salava BR CLS A BR CLS A COVEN Salava BR CLS A COVEN Salava COVENTS COVENT		Shape							
Year Built       1987       Lot No.         Bridge or Town Name       WESTEROSE       Inspector Name         Located Over       PIGEON LAKE CREEK, 5.62, WATERCRS- ST       Inspector Class         Located On       13:06 C1 28.839       Assistant Name         Navigabil. Cl./Year       Inspection Date       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry Date         Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Reviewer Name         Clear Roadway/Skew       11 / -30 deg. (LHF)       Dept. Review Date         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Road Classification       RAU-209-110       Detour Length (km)         Detour Length (km)       5       Span       Rise (or Dia.)       Type         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Special Features       Special Features	Owen Salava         BR CLS A         BR CLS A         26-Jun-2012         Marcia Chavez         15-Jul-2012         John O'Brien         05-Jul-2012         me         Andrew Smikle         19-Jul-2012	es PI./Slab Thickness	Shape							
Bridge or Town Name       WESTEROSE       Inspector Name         Located Over       PIGEON LAKE CREEK, 5.62, WATERCRS- ST       Inspector Class         Located On       13:06 C1 28.839       Assistant Name         Navigabil. CL/Year       Inspection Date       Assistant Class         Navigabil. CL/Year       Inspection Date       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry Date         Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Review Date         Contract Main. Area       CMA17       Dept. Review Name         AADT/Year       2,640 / 2011 (A)       Pot. Review Date         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Special Features       Special Features       Special teatures	Owen Salava         BR CLS A         BR CLS A         26-Jun-2012         Marcia Chavez         15-Jul-2012         John O'Brien         05-Jul-2012         me         Andrew Smikle         19-Jul-2012	es PI./Slab Thickness	Shape							
Located Over       PIGEON LAKE CREEK, 5.62, WATERCRS- ST       Inspector Class         Located On       13:06 C1 28.839       Assistant Name         Water Body Cl./Year       Inspector Class       Assistant Class         Navigabil. Cl./Year       Inspector Date       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry Date         Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Reviewer Name         Contract Main. Area       CMA17       Dept. Reviewer Name         AADT/Year       2,640 / 2011 (A)       Popt. Reviewer Name         Road Classification       RAU-209-110       Dept. Review Date         Detour Length (km)       5       Span       Rise (or Dia.)       Type         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Special Features       Special Features	BR CLS A 26-Jun-2012 Marcia Chavez 15-Jul-2012 John O'Brien 05-Jul-2012 Me Andrew Smikle 19-Jul-2012	es PI./Slab Thickness	Shape							
Located On       13:06 C1 28.839       Assistant Class         Water Body Cl./Year       Inspection Date         Navigabil. Cl./Year       Data Entry By         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry Date         Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Reviewer Name         Contract Main. Area       CMA17       Dept. Reviewer Name         Clear Roadway/Skew       11 / -30 deg. (LHF)       Dept. Review Date         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Road Classification       RAU-209-110       Dept. Review Date         Detour Length (km)       5       Span       Rise (or Dia.)       Type         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Special Features       Special Features       Special Features	Marcia Chavez 15-Jul-2012 John O'Brien 05-Jul-2012 me Andrew Smikle 19-Jul-2012	es PI./Slab Thickness	Shape							
Water Body Cl./Year       Inspection Date         Navigabil. Cl./Year       Inspection Date         Legal Land Location       SE SEC 16 TWP 46 RGE 28 W4M       Data Entry By         Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Reviewer Name         Contract Main. Area       CMA17       Dept. Reviewer Name         Clear Roadway/Skew       11 / -30 deg. (LHF)       Dept. Reviewer Name         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Road Classification       RAU-209-110       Potour Length (km)         Detour Length (km)       5       Span       Rise (or Dia.)       Type         Inspection Date       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Utilities (Located at)	Marcia Chavez 15-Jul-2012 John O'Brien 05-Jul-2012 me Andrew Smikle 19-Jul-2012	es PI./Slab Thickness	Shape							
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Longitude, Latitude       -113:59:60, 52:57:35       Reviewer Name         Road Authority       Alberta Transportation (AIT)       Reviewer Name         Contract Main. Area       CMA17       Dept. Reviewer Name         Clear Roadway/Skew       11 / -30 deg. (LHF)       Dept. Reviewer Name         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Road Classification       RAU-209-110       Follow-Up By         Detour Length (km)       5       Follow-Up By         Bridge Culvert Information       Span       Rise (or Dia.)       Type         Number of Culverts       2       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type         1       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Utilities (Located at)	John O'Brien 05-Jul-2012 Me Andrew Smikle 19-Jul-2012	PI./Slab Thickness	Shape							
Road Authority       Alberta Transportation (AIT)       Review Date         Contract Main. Area       CMA17       Dept. Reviewer Nam         Clear Roadway/Skew       11 / -30 deg. (LHF)       Dept. Review Date         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Road Classification       RAU-209-110       Follow-Up By         Detour Length (km)       5       Spridge Culvert Information         Number of Culverts       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Special Features Comment       Utilities (Located at)	05-Jul-2012 me Andrew Smikle 19-Jul-2012	PI./Slab Thickness	Shape							
Clear Roadway/Skew     11 / -30 deg. (LHF)     Dept. Reviewer Nan       AADT/Year     2,640 / 2011 (A)     Dept. Review Date       Road Classification     RAU-209-110     Follow-Up By       Detour Length (km)     5     Follow-Up By       Bridge Culvert Information     Span     Rise (or Dia.)     Type       Number of Culverts     2     Length       1     MAIN     -     1500     SSP     31.6       2     MAIN     -     1200     SPP     24.5       Special Features     Special Features     Utilities (Located at)	Me Andrew Smikle 19-Jul-2012	PI./Slab Thickness	Shape							
Clear Roadway/Skew       11 / -30 deg. (LHF)       Dept. Review Date         AADT/Year       2,640 / 2011 (A)       Follow-Up By         Road Classification       RAU-209-110       Follow-Up By         Detour Length (km)       5       Follow-Up By         Bridge Culvert Information         Number of Culverts       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Utilities (Located at)	Corr. Profile	Thickness	Shape							
Road Classification       RAU-209-110       Pointow-op By         Detour Length (km)       5       Spridge Culvert Information         Number of Culverts       2       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Utilities (Located at)		Thickness	Shape							
Detour Length (km)       5         Bridge Culvert Information         Number of Culverts       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Special Features       Utilities (Located at)		Thickness	Shape							
Bridge Culvert Information         Number of Culverts       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Special Features Comment       Utilities (Located at)		Thickness	Shape							
Number of Culverts       2         Pipe #       Barrel       Span       Rise (or Dia.)       Type       Length         1       MAIN       -       1500       SSP       31.6         2       MAIN       -       1200       SPP       24.5         Special Features       Utilities (Located at)		Thickness	Shape							
Pipe #     Barrel     Span     Rise (or Dia.)     Type     Length       1     MAIN     -     1500     SSP     31.6       2     MAIN     -     1200     SPP     24.5       Special Features     Special Features Comment     Utilities (Located at)		Thickness	Shape							
1     MAIN     -     1500     SSP     31.6       2     MAIN     -     1200     SPP     24.5       Special Features     Utilities (Located at)		Thickness	Shape							
2       MAIN       -       1200       SPP       24.5         Special Features       Utilities (Located at)	68X13	12.0								
Special Features Special Features Comment Utilities (Located at)		12.0	ROUND							
Special Features Comment Utilities (Located at)			ROUND							
Utilities (Located at)		Jres								
Telephone South r/w. Gas										
Power 5 wires North r/w. Municipal										
Others Fibre optic plowed in North ditch. Problem (Y/N) No	)									
Remarks										
Approach Road / Embankment										
	Explanation of Condition									
	_ Residence and business approach 50m East.									
Vertical Alignment 8 8										
Roadway Width (m) 9.400										
Embankment 7 7 South end measured	South end measured.									
Sideslope (:1) 2.0										
(Height of Cover(m) : 1.3)										
Guardrail (Y/N) No										
Approach Road / Embankment General Rating 7 7										
Upstream End										
Culvert Component     Last     Now     Explanation of Con       (Pipe # : 1, Span Type: Primary Span)	ndition									
Direction S										
End Treatment (Concrete, Steel, NONE Others, None)										
Headwall X X										
Collar X X										
Wingwalls X X										
(Shape : )										

	1			am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Cutoff Wall		X	X	
Bevel End		Х	Х	Square end.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		5	6	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		5	6	
Beavers (Y/N)	No			
Upstream End General Rating		5	6	
		Bri	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1500, Type: SSP)
Barrel Last Accessible Date	26-Jun-2012			
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Туре : )				
Roof		7	7	
Measured Rise (mm)	1490			
Measured At Ring No.				
Sag (mm)	10			0.7%
Percent Sag	0			
Sidewall		7	7	
Measured Span (mm)	1490			
Measured At Ring No.				
Deflection (mm)	10			0.7%
Percent Deflection	0			
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	Х	Smooth sidewall pipe. Black steel.
Corrosion By Soil (Y/N)	No			Surface patina.
Corrosion By Water (Y/N)	Yes			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

81060 -1 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component		Last Now		Explanation of Condition				
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa		n (mm):		, Rise (mm): 1500, Type: SSP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Туре:)								
Waterway Adequacy		5	5					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		7	7					
		D		ream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Span Type: Primary	v Span)							
Direction	1	N		-				
End Treatment (Concrete, Steel, Others, None)	NONE		-					
Headwall		X	X					
Collar		X	X					
Wingwalls		X	X	-				
(Shape : )		1						
Cutoff Wall		X	X					
Bevel End		X	X	Square end.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			-				
Above/Below (mm)	100							
Scour Protection		5	6					
(Type : NATURAL)				-				
(Avg. Rock Size(mm) : )		1	1					
Scour/Erosion	1	5	6					
Beavers (Y/N)	No		1					
Downstream End General Ratin	ng	5	6					
			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)							
Direction		S		-				
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape : )			1					
Cutoff Wall		X	X					

Alberta Transportation

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection	·	7	7	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating	1	7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN.			, Rise (mm): 1200, Type: SPP)
Barrel Last Accessible Date	06-Jun-2002			East of main pipe. Viewed from ends, no visible deformation. Not accessible- not bridge size. Visible pipe is smooth wall HPPE. Possibly lining old CSP, in new condition, viewed from ends.
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Туре : )				
Roof		N	6	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	80			
Percent Sag				
Sidewall		N	6	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	90			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	230			
Longitudinal Seams		Х	Х	
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		Х	Х	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 1200, Type: SPP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		5	5					
Baffle		X	X					
(Type:)								
Waterway Adequacy		5	5	_				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	6					
Culvert Component		Last	Now	ream End Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Snan)	Lasi	NOW					
Direction		N						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall	<u> </u>	X	X					
Collar		X	Х					
Wingwalls		X	X					
(Shape : )								
Cutoff Wall		X	X					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			-				
Above/Below (mm)	100							
Scour Protection		7	7					
(Type : NATURAL)				_				
(Avg. Rock Size(mm) : )								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ration	ng	7	7					
				re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		_	-					
Alignment		7	7					
Bank Stability		6	6					
HWM (m below Top of Culvert)				No visible HWM				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							

Structure Usage							
Last Now Explanation of Condition							
Channel General Rating		7					

Maintenance Recommendations											
Inspector Recommendations	Year Inspector Comments				Department Comr	nents		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) 33.3/66. (%)			7 Sufficiency Rating (Last/N (%)	low) 4	<b>43.7/60.6</b> Est. Repl. Yr 2050		2050	Maint. Re	qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date	Estimated Total 0					
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Owen	Salava		Previous /	vious Assistant's Name						
Next Inspection Date	26-Mai	-2014		Previous I	nspection Date	23-Aug-2010					
Inspection Cycle (Default) (months)	21										
Comment											