Bridge Culvert Inspection												
Bridge File Number						Form Type			CUL1			
Year Built	1961					Lot No.			4			
Bridge or Town Nam	e HIGH LE	VEL					or Name		Russel Vanderschaaf			
Located Over		ARY TO BOYI		R, 8.10	.23.9,	1	or Class		BR CLS B			
	WATERO	CRS-ST				Assistant Name		4 Russel Vanderschaaf BR CLS B 15-Nov-2011 Theresa Lacusta 13-Dec-2011 Eric Carcoux 12-Dec-2011 Steve Pasquan 10-Jan-2012 Corr. Profile PI/Slab Thickness 152X51 4.0 ELLIPSI tion crete. d of culvert.				
Located On	35:14 C1	8.817				Assista	Int Class					
Water Body Cl./Year						Inspection Date		15-Nov-2011				
Navigabil. Cl./Year	_					Data Entry By						
Legal Land Location		30 TWP 105	RGE 20 V	N5M		Data Entry Date						
Longitude, Latitude	-					Reviewer Name		Eric Carcoux				
Road Authority Alberta Transportation (AIT)						Review Date						
Contract Main. Area	Area CMA01					Dept. Reviewer Name						
Clear Roadway/Skew						Dept. Review Date						
AADT/Year	1,290 / 2010 (A)					Follow-Up By						
Road Classification	RAU-210)-110				_						
Detour Length (km)	60											
Bridge Culvert Info												
Number of Culverts	1											
Pipe # Barre	el S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape	
1 MAIN	I 3	495	3854		SPE		48.2		152X51		ELLIPSE	
Special Features												
Special Features Co	mment											
				Uti	ilities (L	ocated	at)					
Utility Attachments						1						
Telephone					Gas							
Power						Municipal						
Others						Problem (Y/N) No						
Remarks												
			Α	T		1	ankment					
						Explanation of Condition						
Horizontal Alignment				7	6	Road curves to North. Slight vertical sag concrete.						
Vertical Alignment			7	7								
Roadway Width (m) 10.700												
Embankment				5	4	Sagging around d/s end of culvert.						
Sideslope (:1)		3.0				Sagging around d/s end of culvert.						
(Height of Cover(m): 2.5)											
Guardrail (Y/N)	,,	No										
					-							
Approach Road / Er	nbankmen	t General Rat	ing	7	6							
					Unstre	am End						
Culvert Component				Last	Now		ation of 0	Condi	tion			
Direction				W								
End Treatment (Con Others, None)	crete, Steel,	CONCRETE	Ē									
Headwall				7	6							
Collar			7	N	Snow covered.							
Wingwalls				X	Х							
(Shape :)												
Cutoff Wall				N	4	700mm above culvert invert.						

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			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	NW side of bevel deflected inward
Heaving (mm)	200			approx. 400 mm.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	5	
Beavers (Y/N)	No			
Upstream End General Rating		5	4	
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm): 3495	5, Rise (mm): 3854, Type: SPE)
Barrel Last Accessible Date	18-Feb-2010			Water 1m deep -not frozen in middle.
Special Features				
Special Feature				
(Type :)				_
Special Feature				
(Туре :)				
Roof		6	N	Floor covered with ice.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		6	N	
Measured Span (mm)	3577			_
Measured At Ring No.	6			_
Deflection (mm)	82			_
Percent Deflection	2		_	
Floor		N	N	Covered with ice/water.
Bulge (mm)				_
Measured At Ring No.				_
Abrasion (Y/N)				
Circumferential Seams		6	N	
Separation (mm)	0			
Longitudinal Seams		5	N	Alkaling deposits in seam bolts18-Feb-2010
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			1N stagger
Longitudinal Stagger (Y/N)	Yes			
Coating		4	N	ALKALI STAINS ON SEAMS
Corrosion By Soil (Y/N)	Yes			Pitting rust lower 1/218-Feb-2010
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			(Ponding 2800 below crown-May 16,2008)

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Bridge Inspection & Maintenance System (Web 2005)

		Brid	lge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm): 3495	, Rise (mm): 3854, Type: SPE)
Fish Passage Adequacy		5	5	Beaver dam at u/s bevel end.
Baffle			Х	
(Type :)				
Waterway Adequacy		6	N	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	N	
č				
				ream End
Culvert Component			Now	Explanation of Condition
Direction		E		-
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	Х	
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall				
Bevel End		6	5	
Heaving (mm)	300			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm) 500				
Scour Protection		6	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	5	
Beavers (Y/N)	No			
			1	
Downstream End General Rati	ng	6	5	
			1	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)			-	
Alignment		6	7	
Bank Stability		6	6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom DEGRADING Degrading/Aggrading				Beaverdams u/s & d/s cuttings.
Beavers (Y/N) Yes				
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :				
Channel General Rating		6	7	
		0		

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/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) t	55.6/55.0	6 Sufficiency Rating (Last/N (%)	ow) 5	56.2/65.1	Est. Repl. Yr 2015		Maint. Reqd. (Y/N) 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 Brian Pie			an Pientsch Previous A			Assistant's Name Lisbeth Medir					
Next Inspection Date 15-Au		5-Aug-2013 Previou			Inspection Date 18-Feb-2010						
Inspection Cycle (Default) (months) 21											
Comment											