					Bridg	e Culve	ert Insp	ection						
Bridge File Num	ber	74897 -	-1 Bridge Culve	rt			Form 7	Гуре		CUL1				
Year Built 1980							Lot No	ot No. 3						
Bridge or Town	Name						Inspector Name			Dave Lam				
Located Over		TRIBU	TARY TO THRE	EHILLS	CREE	K,	Inspector Class			BR CLS A				
Located On				-51			Assistant Name							
	Voor	302.04	C1 33.071				Assistant Class							
							Inspection Date			15-Jul-2011				
		SW/SE	C 18 TWD 31 B		Data Entry By			Marcia Chave	Z					
Longitude, Latitude -113:15:11 Road Authority Alberta Tra Contract Main. Area CMA20 Clear Roadway/Skew 10.6 / -55 c AADT/Year 450 / 2010 Road Classification RCU-209-1 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1				GL 23 VV	-+ 1VI			ntry Date		29-Aug-2011				
	uue			(ΔIT)			Reviev	Reviewer Name John O'Brien						
3.50.2.6, W Located On 582:04 C1 8 Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SW SEC 18 Longitude, Latitude -113:15:11, Road Authority Alberta Trai Contract Main. Area CMA20 Clear Roadway/Skew 10.6 / -55 d AADT/Year 450 / 2010 Road Classification RCU-209-1 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Spai 1 MAIN - Special Features Special Features Comment Utility Attachments Telephone Power Others Remarks Gas signs have fa Horizontal Alignment Vertical Alignment		·	(A11)			Review Date			28-Jul-2011					
Clear Roadway/Skew 10.6 / -55 clear Roadway/Skew 450 / 2010						Dept. Reviewer Name								
AADT/Year 450 / 2010						Dept. Review Date		30-Aug-2011						
Road Classification RCU-209- Detour Length (km) 3				Follow-Up By										
	-		00 110				-							
										ı				
			1											
Pipe #			Span	pan Rise (or Dia		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1200		MP		53.7		125X26	THIORITOGO	ROUND		
Special Feature	s													
Special Feature	s Comr	ment												
					Ut	ilities (L	ocated	at)						
Utility Attachme	nts							•						
Telephone							Gas		Cross	ing over/under	N end of culve	er.		
Power							Munici	pal						
Others							Proble	m (Y/N)	Yes					
Remarks	Gas s	igns hav	ve fallen down.											
				A	pproa	ch Road		ankment						
					Last	Now	Explar	nation of	Condi	tion				
					9	9								
Vertical Alignment		10.600		8	8									
Roadway Widin	(111)		10.600											
Embankment					8	8								
Sideslope (:1)		2.5				N end.								
(Height of Cov	/er(m) :	3.1)												
Guardrail (Y/N)			No											
Approach Road	d / Emk	oankme	nt General Rat	ing	8	8								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion				
Direction					N									
End Treatment (Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)														
Cutoff Wall				X	X									

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	Step bevel.
Heaving (mm)	0	,	,	U/S some damage during installation.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection	100	7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
SCOUI/ETOSIOTI		'	'	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Rri	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Local	tion Code: MAIN			, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date	15-Jul-2011		,-	,,,
Special Footures				
Special Feature				
Special Feature				
(Type:)			1	
Special Feature				
(Type:)			1	
Roof	ı	6	5	Some dents from installation & 1 large dent from fence post 9m from d/s end.
Measured Rise (mm)	1180			Damage during installation at u/s end (photo).
Measured At Ring No.				1.7%
Sag (mm)	20			-
Percent Sag	2			
Sidewall		6	6	
Measured Span (mm)	1200			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		5	5	Ends of culvert jnts bent as installed.
Separation (mm)	50			2nd seam from S infiltration, minor.
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings		7.		
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		5	5	Minor rust starting on floor
Corrosion By Soil (Y/N)		5	່ວ	Minor rust starting on floor.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bric	lvert Barrel						
Culvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 1200, Type: MP)					
Fish Passage Adequacy		8	8						
Baffle			Х						
(Type:)									
Waterway Adequacy		8	4	Pipe may be undersized due to scour hole at outlet.					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			5						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)									
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		6	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed				At streambed.					
Above/Below (mm)	0								
Scour Protection		4	4	Needs more rock.					
(Type: RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		4	4	Scour hole 4m x 3m.					
Beavers (Y/N)	No								
Downstream End General Ratin	ng	4	4						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		4	5	Curves sharply into culvert at u/s end. No erosion evident.					
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading	DEGRADING								
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		4	5						

		Maintenance	Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		•		•					
PLACE ADDITIONAL RIP RAP	2011	20m3 Class I rock.							
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.0/55	55.0/55.6 Sufficiency Rating (Last/N (%)		65.1/53.6	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Aime Theroux		Previous	Assistant's Name					
Next Inspection Date	15-Oct-2014		Previous	Inspection Date 18-Dec-2001					
Inspection Cycle (Default) (months)	39								
Comment									