Bridge Culvert Inspection													
Bridge File Number 09276 -1 Bridge Culvert				Form Type			CUL1						
Year Built 1985					Lot No.		4						
Bridge or Town	Bridge or Town Name TEEPEE CREEK						Inspector Name		Russel Vanderschaaf				
Located Over	T		TARY TO KLESKUN CREEK,				Inspector Class		BR CLS B				
Located On	6	574·02 C	1 21 853				Assistant Name						
Water Body CL/Year							Assistant Class						
Navigabil CL/X	Par						Inspection Date		03-May-2010				
Legal Land Location SW SEC 5			5 TWP 74 R		Data Entry By		Theresa Lacusta						
Longitude Latitude -118:25:29 5			29 55.22.27		Data Entry Date		10-Jun-2010						
Road Authority Alberta T		Transportation (AIT)					Reviewer Name		Arnold Assenheimer				
Contract Main, Area CMA05								Review Date		07-Jun-2010			
Clear Roadway/Skew 92/13c		dea. (RHF)		Dept. Reviewer Name		Steve Pasquan							
AADT/Year	g	900 / 200)9 (A)		Dept. Review Date		19-Aug-2010						
Road Classificat	tion F	RCU-209	9-110				Follow-Up By						
Detour Length (km) 6	3											
Bridge Culvert Information													
Number of Culverts 1													
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-		2700		MP		35		125X26	3.5	ROUND	
Special Feature	s	N	/ERT STEEL S	STRUTS									
Special Feature	Special Features Comment												
					1 14	litico /l	opotod	at)					
Litility Attachme	nte				Ul	incies (L	ocaleu	al)					
Telephone													
Power	wer 16 M NORTH OF C/L_3 wire						Municipal						
Others							Problem (Y/N) No						
Remarks							1 100101		110				
				A	pproad	ch Road	l / Emba	ankment					
						Now	Explanation of Condition						
Horizontal Alignment			7	7	Field access 80 m east.								
Vertical Alignment				8	8								
Roadway Width (m)			9.200										
Embankment					8	8							
Sideslope (:1)		3.5										
(Height of Cov	/er(m) : 2	2)			-								
Guardrail (Y/N)			No										
Approach Road	d / Emba	ankmen	t General Rat	ing	7	7							
						Upetro	am End						
Culvert Compo	nent				Last	Now	Fxnlan	ation of	Condi	tion			
Direction			N		Explain		oonan						
End Treatment (Concrete, Steel, STEEL					-								
Headwall					Х	Х							
Collar			X	Х									
Wingwalls				×	x								
(Shape ·)			Λ	Λ									
Cutoff Wall					X	X							

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	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600		1							
Scour Protection		N	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)		1	1							
Scour/Erosion			7							
Beavers (Y/N)	No									
Upstream End General Rating			7							
		Bric	lge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)):	, Rise (mm): 2700, Type: MP)						
Barrel Last Accessible Date	01-Feb-2007			Could not access pipe due to water level - approx 1.2m high.						
Special Features										
Special Feature			X							
(Type : VERT STEEL STRUTS)										
Special Feature										
(Type :)										
Roof		3	N	(Roof pushed in 100mm at upstream end. sag estimated-01-Feb-						
Measured Rise (mm)				2007)						
Measured At Ring No.										
Sag (mm)	300									
Percent Sag										
Sidewall		3	N							
Measured Span (mm)	3034									
Measured At Ring No.										
Deflection (mm)	334									
Percent Deflection	12									
Floor		N	N							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		5	N	Bevel section separation at d/s end01-Feb-2007						
Separation (mm) 155										
Longitudinal Seams		X	Х							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
		5	5	Superficial rust on lower 1/3 of nine						
Corrosion By Soil (V/N)	No	5	5							
Corrosion By Water (V/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2700, Type: MP)					
Fish Passage Adequacy		7	7						
Baffle			X						
(Type :)									
Waterway Adequacy			7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	Drift (Y/N) No								
Barrel General Rating			3	GR carried from 01-Feb-2007					
Downstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar			Х						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall	Cutoff Wall								
Bevel End		7	7						
Heaving (mm)	200								
Invert Above/Below Stream Bed				_					
Above/Below (mm)	0								
Scour Protection		N	7						
(Type : RIP RAP)				_					
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		N	7						
Beavers (Y/N)	No		_						
Downstream End General Ratin	ng	6	7						
		9	Structu	ra llsana					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)	1								
Alignment			6	Curves within 50 m of either end.					
Bank Stability			8						
HWM (m below Top of Culvert) 0.1				Grass on brush on u/s end.					
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			6						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	nents		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		33.3/33.3	3 Sufficiency Rating (Last/N (%)	low) ។	54.4/55.3 Est. Repl. Yr 2015		2015	Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection		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 Colin		Roy		Previous <i>J</i>	Assistant's Name						
Next Inspection Date 03-A		03-Aug-2013			Previous Inspection Date 01-Feb-2007						
Inspection Cycle (Default) (months) 39											
Comment											