Bridge Culvert Inspection													
Bridge File Number 75384 -1 Bridge Culvert					Form Type		CUL1						
Year Built 1961						Lot No.		4					
Bridge or Town I	Name PAF	KLA	ND BEA	3EA			Inspect	or Name	Jon Davies				
Located Over	TRI	BUTA	RY TO CLEA	R BROO	K, 14.2	2.3,	Inspect	Inspector Class BR CLS B					
	0.10		-KS-SI	E 094			Assistant Name						
Motor Body CLA	2.10	LIS	5.940;2:10 R1 5.984				Assista	Assistant Class					
Water Body CI./Year							Inspect	ion Date	12-Oct-2011	12-Oct-2011			
Legal Land Loca	ai ation NW	SEC						ntry By	Erin Roberts				
Logaitude Latitu	Legal Land Location INV SEC		2:20 50:13:05				Data Entry Date		19-Nov-2011				
Road Authority Alberta		orta T	a Transportation (AIT)					er Name	Garry Roberts				
Contract Main Area CMA26		126	6					Date	08-Nov-2011				
Clear Roadway/Skew 26 / -35		-35 d	j deg. (LHF)					Reviewer Name	Tim Davies				
AADT/Year	8,62	0 / 20	010 (A)			Dept. Review Date		21-Nov-2011					
Road Classificat	ion RAI)-412	12.4-120				Follow-	Ор Ву					
Detour Length (k	(m) 1												
Bridge Culvert Information													
Number of Culve	erts	1											
Pipe # E	Barrel	S	pan	Rise (or	Dia.)	Туре	Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 N	MAIN	3	800	2400		RPP		93.9	152X51	4.0	PIPE ARCH		
Special Features	3	С	ONC FLOOR	, SHOTC	RETE	BEAM							
Special Features	Special Features Comment												
					1 14	litioo /l	aaatad	ct)					
Litility Attachmer	nte				01	inties (L	ocaleu	atj					
Telephone At Fast r/w Gas													
Power							Municipal						
Others	Fibre optics @ West r/w						Problem (Y/N) No						
Remarks													
				A	pproa	ch Road	l / Emba	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alignment			8	7	Int 200m North								
Vertical Alignment			9	9	600mm CSP 15m North.								
Roadway Width (m)			26.000										
Embankment	Embankment				4	4	3m dia	meter by 2m de	ep scour @ dito	h to NW.			
Sideslope (:	1)		4.0				-						
(Height of Cov	er(m) : 2.7)												
Guardrail (Y/N)			Yes										
Approach Road	l / Embank	ment	General Rati	ng	8	7							
						Upstre	am End						
Culvert Compo	nent				Last	Now	Explan	ation of Condi	tion				
Direction		W		West e	nd.								
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall		X	Х										
Collar			X	Х									
Wingwalls			X	X									
(Shape :)					1								
Cutoff Wall			X	Х									

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			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	5	SW invert has heaved at the haunch area. No voids or scour at side					
Heaving (mm)	200			observed					
Invert Above/Below Stream Bed	BELOW			_					
Above/Below (mm) 400									
Scour Protection			7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)			1						
Scour/Erosion			7						
Beavers (Y/N) No									
Upstream End General Rating			5						
		Bric	lge Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 3800), Rise (mm): 2400, Type: RPP)					
Barrel Last Accessible Date	12-Oct-2011								
Special Features									
Special Feature		N	6	Concrete floor starts at R12					
(Type : CONC FLOOR)				Concrete half walls begins in R12					
Special Feature			6						
(Type : SHOTCRETE BEAM)			-						
Roof		6	6	100mm visible roof sag @ East section. Estimate.					
Measured Rise (mm)	2240			No roof measurement due to concrete floor and silt					
Measured At Ring No.				no roor measurement due to concrete noor and slit.					
Sag (mm) 160				Measurements from past inspection					
Percent Sag 6									
Sidewall		5	5	No span measurements D/S of concrete half wall.					
Measured Span (mm)	4010								
Measured At Ring No.	11								
Deflection (mm)	210								
Percent Deflection	5								
Floor		N	N	CONCRETE FLOOR IN GOOD CONDITION. @ East SECTION					
Bulge (mm)				Silt rock and water at West section					
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		5	5	Seven bolts not installed where old and new barrel meet.					
Separation (mm)	15								
Longitudinal Seams		7	6	1N stagger					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	0			1					
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)	No			1					
Longitudinal Stagger (Y/N)	Yes			1					
		4 4		ALKALLSTAINS @ EAST (OLD) SECTION CIPC & LONGITUDINI					
Corrosion By Soil (Y/N)	Yes	4 4		SEAMS of roof and sidewalls. Rust stains with seepage at bolt ho					
Corrosion By Water (V/N)	Yes			throughout at haunches and sidewalls.					
	7ERO								
Camberr 00/ZERU/NEG									
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	<u>n (mm</u>): 3800	, Rise (mm): 2400, Type: RPP)					
Fish Passage Adequacy			5						
Baffle			Х						
(Type :)									
Waterway Adequacy		7	7	(Ice within 1.5m of roof)					
Icing (Y/N)	Yes								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			5						
Downstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction		E		East					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		Х	X						
Collar		Х	X						
Wingwalls		Х	X						
(Shape:)									
Cutoff Wall		X	X						
Bevel End	1	7	7	Concrete floor and half wall extends out in bevel end.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE			Steel of bevel is at stream bed. 300mm drop to stream bed from concrete floor.					
Above/Below (mm)	300								
		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)		-	-						
Scour/Erosion		7	7						
Beavers (Y/N)	eavers (Y/N) No								
Downstream End General Ratir	ng	7	7						
		S	tructur	e Usage					
		Last Now		Explanation of Condition					
Channel (U/S and D/S)									
Alignment			5	MEETS CULVERT @ D/S @ 45 DEG. ANGLE Abandoned RxR pipe 10m D/S					
Bank Stability			5	Cut banks u/s					
HWM (m below Top of Culvert) 0.8				No visible HWM					
Drift (Y/N)	No								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)		1						
Channel General Rating			5						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	ments	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) (%)		55.6/55.	.6 Sufficiency Rating (Last/N (%)	low) (64.2/62.3	Est. Repl. Yr 2027		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 Garry		Roberts		Previous /	ous Assistant's Name						
Next Inspection Date 12-J		2013		Previous I	Inspection Date	23-Jan-2010					
Inspection Cycle (Default) (months) 21											
Comment											