	Bridge Culvert Inspection													
Bridge File Number 774		77481 -	77481 -1 Bridge Culvert					Form Type		CUL1				
Year Built 1973						Lot No.		4						
Bridge or Town Name KANANASKIS						Inspector Name		Garry Roberts						
Located Over		LUSK C	REEK, 2.13.56	6.1, WATE	RCR	S-ST	Inspector Class			BR CLS A				
Located On		40:12 C	1 42.308				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	'ear				Inspection Date			27-Mar-2013						
Legal Land Location SE SEC		15 TWP 24 RGE 8 W5M				Data Entry By			Lauren Korte					
Longitude, Latitude -115:01:4			:45, 51:02:29		Data Entry Date			11-Apr-2013						
Road Authority Alberta T			Transportation		Reviewer Name		Tom Carey							
Contract Main. Area CMA28					Review Date		10-Apr-2013							
Clear Roadway/Skew 11.2 /							Dept. Reviewer Name		Tim Davies					
AADT/Year		2,630/2	2012 (A)		Dept. Review Date			06-May-2013						
Road Classification RAU-210			0-110		Follow-Up By									
Detour Length	(km)	5												
Bridge Culvert	Inform	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		3475	3841		SPE		79.2		152X51	4.0	ELLIPSE		
Special Feature	es													
Special Feature	es Comr	ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents	1					0							
lelephone	Over of	culvert West end (buried).												
Power	400 m	n East of u/s end.												
Others Cable East ditch.							Probler							
Remarks														
Ag						en Road	Explanation of Condition							
Harizantal Alignment		5	5											
Vortical Alignment				7	7									
Vertical Alignment					1									
Roadway Width (m)		11.200												
Embankment					6	6	3.5:1 East side.							
Sideslope (_:1)		2.5				-							
(Height of Co	ver(m) :	12)					West side only							
Guardrail (Y/N)			Yes				West s	vvest side only.						
Approach Roa	d / Emb	bankmer	nt General Rat	ing	5	5								
Upstream End														
Culvert Component					Last	Now	Explanation of Condition							
Direction		E		East.										
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall					Х	Х								
Collar					Х	Х								
Wingwalls					Х	X								
(Shape:)	(Shape:)													

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			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	
Devict Field				
Bever End	000	6	6	Corrosion with some pitting.
Heaving (mm)	200			
Invert Above/Below Stream Bed	BELOW			-
Above/Below (mm)	100		1	
Scour Protection		7	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)			1	
Scour/Erosion			6	
Beavers (Y/N)	No			
Upstream End General Rating	1	6	6	
		Brid	dae Cu	vert Barre
Culvert Component		Last	Now	Explanation of Condition
(Pipe # 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 3475	Rise (mm): 3841. Type: SPF)
Barrel Last Accessible Date	27-Mar-2013		,	
Darrer Last Accessible Date	27-10101-2013			
Special Features				
Special Feature				Rings are numbered incorrectly.
(Type:)				Very fast flowing water.
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	3810			
Measured At Ring No	10			
Sag (mm)	31			
Percent Sag	1			
Sidewall		6	6	
Measured Span (mm)	3580	0	0	
Moosured At Ping No	10			
Deflection (mm)	105			
Denection (mm)	105			
	3	-		
Floor		6	6	Gravel covered at 5 D/S rings. Floor is very slippery. Use caution.
Buige (mm)	U			-
Measured At Ring No.				-
Abrasion (Y/N)	Yes		1	
Circumferential Seams	1	6	7	
Separation (mm)	0			
Longitudinal Seams		5	6	Active leakage at rings #4,5,6,7 & 12 South sidewall.
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)	No			
Longitudinal Stagger (Y/N)	No			
Coating		4	4	Rust stains coming through upper bolt holes
Corrosion By Soil (Y/N)	Yes			Corrosion with some pitting @ Bevel at South side and u/s 6 rings.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Cambor CO/ZENO/NEO				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 3475	, Rise (mm): 3841, Type: SPE)				
Ponding (Y/N)	No							
Fish Passage Adequacy			6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy			6					
Icing (Y/N)	No		-	At E D/S ringo				
Silting (Y/N)	Yes			At 5 D/S migs.				
Drift (Y/N)	No							
Barrel General Rating			6					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W		West.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall	- -	Х	X					
Collar			Х					
Wingwalls		X	X					
(Shape :)								
Cutoff Wall		X	X					
Bevel End		5	6					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1000							
Scour Protection		4	5	Minor erosion at bevel sides.				
(Type : RIP RAP)				Scattered rocks to 1000mm.				
(Avg. Rock Size(mm) : 450)								
Scour/Erosion		4	5					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	4	5					
		s	Structur	e Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			5	Migrating stream - 45 degree bend @ D/S.				
Bank Stability			5	Vertical banks u/s & d/s.				
HWM (m below Top of Culvert)	2.5		-	No visible HWM.				
Drift (Y/N) Yes								
Channel Bottom AGGRADING Degrading/Aggrading				At D/S.				
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			5					

Maintenance Recommendations											
Inspector Recommendations	Yea	ear	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/CUTO	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		5.6/66.7	7 Sufficiency Rating (Last/Now) (%)	55.9/61.6	5.9/61.6 Est. Repl. Yr 2025		Maint. Red	qd. (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		oerts	Previou	ous Assistant's Name							
Next Inspection Date 27-		014	Previou	is Inspection Date							
Inspection Cycle (Default) (months) 21											
Comment											