Bridge Culvert Inspection													
Bridge File Number		77189 -1 Bridge Culvert				F		Form Type		CUL1			
Year Built		1985						Lot No.		4			
Bridge or Town Name		CANMORE						Inspector Name		Garry Roberts			
Located Over		CANMC	DRE CK, 2.13.6	7, WATE	RCRS-ST		Inspector Class		BR CLS A				
Located On		742:02	C1 3.893				Assistant Name						
Water Body Cl.	/Year							ant Class					
Navigabil. Cl./Y	'ear							Inspection Date		17-Jan-2013			
Legal Land Location NW		NW SE	W SEC 29 TWP 24 RGE 10 W5M				Data Entry By			Lauren Korte			
Longitude, Latitude -115:2		-115:22	5:22:28, 51:04:46					ntry Date	•	06-Feb-2013			
Road Authority Alberta		Alberta	ta Transportation (AIT)				Reviewer Name			Tom Carey			
Contract Main. Area CM		CMA28				Review Date		22-Jan-2013					
Clear Roadway/Skew 11 /		11 / -7 c	1 / -7 deg. (LHF)					Reviewer	Name	Tim Davies			
AADT/Year 3,4		3,480 / 2	2011 (A)			Dept. Review Date		21-Feb-2013					
Road Classifica	ation	ULU-20	J-209-60					-Uр Ву					
Detour Length ((km)	2											
Bridge Culvert Information													
Number of Culv	/erts		1										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	3658		SP		40.2		152X51	4.0	ROUND	
Special Feature	es												
Special Feature	es Comr	nent											
Utility Attachme	Litility Attachments												
Telephone	North-	Rumme	l Drive.				Gas		Under	West sidewall	٢.		
Power	4 Wire	- crosse	s road 10m We	est.			Municipal Water		rline/sewerline CI in road.				
Others	Street	Lights.			Proble	m (Y/N)	No						
Remarks	6 Wire	South F	South RW.										
Approach Road / Embankment													
					Last	Now	Explanation of Condition						
Horizontal Aligr	nment			5	5	Entrance 20m West.							
Vertical Alignment				5	5	Culvert in town limits residential area corner of Rummel Place & 3 Sister's Dr.							
Roadway Width (m)			11.000				,						
Embankment				7 7									
Sideslope (Sideslope (:1)		2.0										
(Height of Co	- / ver(m) :	2.5)			1								
Guardrail (Y/N)		- /	Yes	Yes			Guardrail to guardrail is 22m.						
Approach Roa	d / Emb	ankmer	nt General Rat	ing	5	5							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explar	ation of	Condi	tion			
Direction							South.						
End Treatment (Concrete, Steel, CONCRE Others, None)			I, CONCRETE										
Headwall	Headwall				6	6							
Collar					7	7							
Wingwalls						Х							
(Shape :)													
Cutoff Wall				N	N	Buried							

Alberta Transportation

	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)	1200								
Scour Protection			7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)									
Scour/Erosion			7						
Beavers (Y/N)	No								
Upstream End General Rating			6						
		Bric	dge Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3658, Type: SP)					
Barrel Last Accessible Date	17-Jan-2013								
Special Features	·								
Special Feature									
(Type :)									
Special Feature									
(Туре :)									
Roof		7	7	Estimate.					
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)	60								
Percent Sag	2								
Sidewall		7	7	2 Drilled holes in R2 and R8.					
Measured Span (mm)	3680								
Measured At Ring No.	6								
Deflection (mm)	22								
Percent Deflection	1								
Floor		N	N	1.5m rock and silt on the floor.					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		7	7	50% of seams visible.					
Separation (mm)	0								
Longitudinal Seams		7	7	50% of seams visible.					
Total No. of Cracked Rings	0			1					
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0			1N stagger.					
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes								
Coating		5	5	Minor rust on submerged bolts.					
Corrosion By Soil (Y/N)	No			Superficial corrosion at waterline.					
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77189 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 3658, Type: SP)					
Fish Passage Adequacy		7	7						
Baffle		7	7	Rock baffles, alternating sides.					
(Type : LARGE BOULDER)			-						
Waterway Adequacy		6 6							
Icing (Y/N)	No			Avg 1.5m silt.					
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		7 7							
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction				North.					
End Treatment (Concrete, Steel, Others, None)	End Treatment (Concrete, Steel, STEEL Others, None)								
Headwall		Х	Х						
Collar		X	X						
Wingwalls		X	X						
(Shape :)			1						
Cutoff Wall		X	X						
Bevel End		7	7						
Heaving (mm)	Heaving (mm) 0								
Invert Above/Below Stream Bed	Invert Above/Below Stream Bed BELOW								
Above/Below (mm)	500								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)		1							
Scour/Erosion			7						
Beavers (Y/N)	eavers (Y/N) No		-						
Downstream End General Ratin	ng	7	7						
		S	Structu	re llsage					
		Last Now		Explanation of Condition					
Channel (U/S and D/S)	1								
Alignment		6	6	90 degree turn to the East at U/S and D/S.					
Bank Stability			7						
HWM (m below Top of Culvert) 2.0				No visible HWM.					
Drift (Y/N) Yes				Minor drift.					
Channel Bottom AGGRADING Degrading/Aggrading				At U/S channel.					
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Com	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) (%)		77.8/77.8	8 Sufficiency Rating (Last/N (%)	low) 7	72.7/70.3 Est. Repl. Yr		2028	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 Ga		Roberts		Previous /	Assistant's Name							
Next Inspection Date 17		-2016		Previous I	ous Inspection Date 05-Nov-2009							
Inspection Cycle (Default) (months) 39												
Comment												