Bridge Culvert Inspection												
Bridge File Number	75255 -1 Bridge Culvert					Form T		CUL1				
Year Built	1960					Lot No.		2				
Bridge or Town Name	PINCHEF	RCREE					or Name	Calvin Roberts				
Located Over		RY TO MILL	CREEK. 2	2.12.35.4.1,		Inspector Class		BR CLS B				
	WATERC	RS-ST	- ,		- ,	· · ·	Assistant Name					
Located On	507:02 C	1 18.423				Assista	nt Class					
Water Body Cl./Year						Inspect	ion Date	09-Nov-2012				
Navigabil. Cl./Year						Data E	ntry By	Lauren Korte				
Legal Land Location	SE SEC 13 TWP 6 RGE 2 W5M					Data E	Data Entry Date 13-Dec-2012					
Longitude, Latitude	-114:08:08, 49:28:14					Review	Reviewer Name Garry Roberts					
Road Authority	1	ransportation	(AIT)			Review Date 14-Nov-2012						
Contract Main. Area	CMA26					Dept. F	Reviewer Name	Tim Davies				
Clear Roadway/Skew	1	deg. (LHF)				Dept. F	Review Date	27-Dec-2012				
AADT/Year	920 / 2011 (A)				Follow-U		Up By					
Road Classification		RCU-209-110				-						
	etour Length (km) 14											
Bridge Culvert Information												
Number of Culverts	1		D : (-		11	0 5 "				
Pipe # Barrel	S	pan	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	1	451	1600		SPE		78.6	152X51	2.8	ELLIPSE		
Special Features												
Special Features Com	ment											
				1 1+	ilitiae (l	ocated	at)					
Utility Attachments				01	inties (i		atj					
	n ditch.					Gas						
	ditch.					Municip	al					
Others	uiton.					Probler						
Remarks												
Romanio			Ar	oproa	ch Road	d / Emba	ankment					
	Approach Road / Embankment Last Now Explanation of Condition											
Horizontal Alignment					6	In a curve.						
Vertical Alignment				6	6	Road rises to the West. West of BF 80420.						
Roadway Width (m) 8.600					Weste	101 00420.						
Embankment	Embookment				7							
Sideslope (:1)					1							
(Height of Cover(m)	· 10 6)	2.0				-						
Guardrail (Y/N)	. 10.0)	Yes										
Approach Road / Em	bankment	General Rat	ing	6	6							
			-		Unstre	am End						
Culvert Component					Now		ation of Condi	tion				
Direction						North.						
End Treatment (Concr Others, None)	ete, Steel,	STEEL										
Headwall				N	X							
Collar				X	X							
Wingwalls				X	X							
(Shape :)					~							
Cutoff Wall				Х	X							
				~								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		5	4	Isolated perforations in floor.							
Heaving (mm)	0			Drift across 50%.							
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	600										
Scour Protection		7	7	Lots of vegetation growing around the bevel.							
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 350)											
Scour/Erosion		7	7								
Beavers (Y/N)	No										
Upstream End General Rating			4								
			dae Cu	lvert Barrel							
Culvert Component		Last		Explanation of Condition							
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1451, Rise (mm): 1600, Type: SPE)											
Barrel Last Accessible Date	09-Nov-2012										
Special Features											
Special Feature											
(Type:)		1									
Special Feature											
(Type :)											
Roof		7	7								
Measured Rise (mm)	1530										
Measured At Ring No.	19										
Sag (mm)	70										
Percent Sag	4										
Sidewall		7	7	Localized 100mm bulge in West S/W of R17.							
Measured Span (mm)	1442										
Measured At Ring No.	19										
Deflection (mm)	9										
Percent Deflection											
Floor	1	3	3	Extensive perforations in the floor - see photos.							
Bulge (mm)	0			Extensive perforations in the floor - see photos. Worst at D/S 1/3 of barrel.							
Measured At Ring No.	12										
Abrasion (Y/N)	Yes										
Circumferential Seams		7	5	Isolated missing nuts.							
Separation (mm)	0		-								
Longitudinal Seams		7	7	75% Correct.							
Total No. of Cracked Rings	0		· ·								
Total No. of Rings with Two Cracked Seams	0										
Min. Remaining Steel Between Cracks (mm)	0			1N stagger.							
Proper Lap (Y/N)	No										
Longitudinal Stagger (Y/N)	Yes										
Coating		3	3	Extensive perforations in the floor.							
Corrosion By Soil (Y/N)	Yes			Alkali corrosion at upper seams.							
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	lae Cu	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Sp							
Fish Passage Adequacy		7	7					
D (11			V					
Baffle		X	X					
(Type:)		4						
· · · · ·	Waterway Adequacy		4	Drift at U/S.				
Icing (Y/N)	No			-				
Silting (Y/N)	No	_						
Drift (Y/N)	Yes							
Barrel General Rating		3	3					
			ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	<u> </u>	Last	1101	South.				
	d Treatment (Concrete, Steel, STEEL							
Headwall		Х	X					
Collar		X	X					
			^					
Wingwalls		X	X					
(Shape :)			1					
Cutoff Wall		X	X					
Bevel End		5	4	Isolated perforations on the floor.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	-							
Above/Below (mm) 400								
Scour Protection		4	4					
(Type : RIP RAP)		·						
(Avg. Rock Size(mm) : 300)								
Scour/Erosion			4	Scour hole 2M X 2M X .7 M - rock lined.				
		4						
Beavers (Y/N)	No							
Downstream End General Ration	ng	4	4					
		S	Structur	re Usage				
				Explanation of Condition				
Channel (U/S and D/S)								
Alignment		5	5	Curves at both ends. Some trees growing over each invert.				
Bank Stability			6					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	AGGRADING							
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			5					

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	r Comments		Department Cor	nments	Target Year	Est. Cost	Cat #	
OVERLAY DECK											
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION		2013	Concrete								
OTHER ACTION		2013	Remove bevels of	debris and vegetation from a f the pipe.	around the						
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		33.3/33.	3.3 Sufficiency Rating (La (%)		ow) 3	9.7/38.4	Est. Repl. Yr 2018		Maint. Reqd. (Y/N)		Yes
Special Comments for Next Inspection						Department Comments					
Aaintenance Reviewed By				Date			Estimated Total	0			
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Garry Roberts				Previous A	Assistant's Name						
Next Inspection Date 09-F		09-Feb-2016 Pre-				nspection Date	11-Sep-200				
Inspection Cycle (Default) (months) 39											
Comment											