					Bridg	je Culve	rt Insp	ection						
Bridge File Number 81961 -1			51 -1 Bridge Culvert				Form Type CUL1							
Year Built Bridge or Town Name Located Over Located On WATERCOURSE, WATERCR Located On Water Body Cl./Year Navigabil. Cl./Year Legal Land Location Longitude, Latitude Longitude, Latitude Road Authority Alberta Transportation (AIT) Contract Main. Area CMA21 Clear Roadway/Skew 9.4 / AADT/Year AADT/Year AADT/Year Bridge Culvert Information Number of Culverts Pipe # Barrel Span Rise (o MAIN Special Features Special Features Comment Utility Attachments Telephone Power Others Remarks						Lot No.			4					
Bridge File Number 1994 Bridge or Town Name EAST COULEE Located Over WATERCOURSE, WATERCRS- Located On 570:01 C1 6.192 Water Body CI./Year Navigabil. CI./Year Legal Land Location SE SEC 13 TWP 27 RGE 18 W4 Longitude, Latitude -112:24:16, 51:18:21 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA21 Clear Roadway/Skew 9.4 / AADT/Year 450 / 2009 (A) Road Classification RCU-209-110 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or II MAIN - 2200 Special Features						Inspec	tor Name		Jason Saly					
Year Built Bridge or Town Name EAST CO Located Over WATERC Located On S70:01 C Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Alberta Tr Contract Main. Area Clear Roadway/Skew 9.4 / AADT/Year Road Classification RCU-209 Detour Length (km) Detour Length (km) Pipe # Barrel MAIN Special Features Special Features Comment Utility Attachments Telephone Power Others Remarks		RCOURSE, WA	TERCRS	-NI		Inspector Class			BR CLS A					
Located On		570:01	C1 6.192				Assista	ant Name						
Water Body Cl.	./Year					Assistant Class								
Navigabil. Cl./Y	′ear						Inspec	tion Date		26-Nov-2010				
Legal Land Location Longitude, Latitude Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Pipe # Barrel Barrel MAIN Special Features Special Features Special Features Comparison SE SEC 13 TWP 27 RGE 18 W4M AMP 21 Road Elevent Information (AIT) Contract Main. Area CMA21 Clear Roadway/Skew 9.4 / AADT/Year 450 / 2009 (A) RCU-209-110 Detour Length (km) 20 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or Dia 1 Utility Attachments Telephone Power		4M		Data E	ntry By		Marcia Chavez							
Longitude, Lati	tude	-112:24	:16, 51:18:21				Data E	ntry Date	:	11-Jan-2011				
Road Authority	'	Alberta	Transportation	(AIT)			Reviev	ver Name	!	John O'Brien				
Contract Main.	Area	CMA21					Reviev	v Date		12-Dec-2010				
Clear Roadway	//Skew	9.4 /				Dept. Reviewer Name		Name	Chris Black					
AADT/Year		450 / 20	009 (A)				Dept. Review Date		11-Jan-2011					
Road Classifica	ation	RCU-20)9-110				Follow	-Up By						
Detour Length	(km)	20												
Bridge Culvert	t Inform	ation												
Number of Culv	verts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	2200		MP	40		125X26	2.8	ROUND			
Special Feature	es													
Special Feature	es Comr	ment												
Litility Attachme	ante				Ut	ilities (L	ocated	at)						
							Gas							
							Munici	nal						
								m (Y/N)	No					
							1 TODIC	111 (1/14)	110					
Remarks				A	pproac	ch Road	l / Emb	ankment						
	Last	Now	Explanation of Condition											
Horizontal Align	nment				7	7	_	within 1						
					9	8								
Roadway Width	h (m)		9.400											
Embankment					8	N	Snow	covered.						
Sideslope (:1)		2.0											
• ` `		2.3)												
			No											
Approach Roa	ad / Emb	ankme	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Component Last Now Explanation of Condition														
Direction					N		•							
End Treatment Others, None)	(Concre	ete, Stee	el, CONCRETE											
Headwall					Х	Х								
Collar					Х	Х	Gate a	cross inle	et.					
Wingwalls					Х	Х								
(Shape:)														
				N	N	Ice								

			Unstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Explanation of Condition
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
	200			-
Above/Below (mm)	200	7	l NI	(Sparae rack 10Feb2000)
Scour Protection		7	N	(Sparce rock. 19Feb2009).
(Type:)				
(Avg. Rock Size(mm):)			T	
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Bri	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. S			, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	26-Nov-2010	, ,		
Special Features				
Special Feature				
(Type:)			1	
Special Feature				
(Type:)				
Roof		7	7	Rise could not be measured due to conc. on the floor.
Measured Rise (mm)		,		Tribe doubt not be incusured due to cone. On the moor.
Measured At Ring No.				
Sag (mm)				Est.
Percent Sag	5			
	3	7	7	Minor dont in sidewall many C/I
Sidewall (1975)	0000	7	7	Minor dent in sidewall near C/L. Span measured at N end = 2263 - 63mm; Midpt = 2303 -
Measured Span (mm)	2303			103mm=4.7%; S end = 2296 - 96mm.
Measured At Ring No.	400			
Deflection (mm)	103			
Percent Deflection	5		1	
Floor	I	N	N	Concrete on floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	6	Backfill damage at C/L (minor).
Separation (mm)	20			
Longitudinal Seams		X	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		7	7	
Corrosion By Soil (Y/N)	No		1	
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	lge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2200, Type: MP)				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No			Minor silting cleans itself during				
Silting (Y/N)	No			runoff.				
Drift (Y/N)	No							
Barrel General Rating		7	7					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		X	X					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	X					
Bevel End		7	6					
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	300							
Scour Protection		7	N	Snow covered.				
(Type:)								
(Avg. Rock Size(mm) :)								
Scour/Erosion		7	N	Snow covered.				
Beavers (Y/N)	No							
Downstream End General Ratin	ng	7	6					
		s	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7	Also used as cattle pass.				
Bank Stability		7	N					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

		N	Maintenance Recomm	endations					
Inspector Recommendations	Year	Inspector Comments	3	Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 77.8/77	77.8/77.8 Sufficiency Rating (La		76.0/73.9	Est. Repl. Yr	2034	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Also used as cattle	pass (06May200	94).		Department Comments					
Maintenance Reviewed By				Date		Е	stimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previo	ous Assistant's Name					
Next Inspection Date	26-Feb-2014		Previo	ous Inspection Date	19-Feb-2009				
Inspection Cycle (Default) (months)	39								
Comment									