		Bridge Culve					ert Insp	ection					
Bridge File Number		01729 -1 Bridge Culvert				Form Type		CULE					
Year Built		1976				Lot No.		4					
Bridge or Town Name		RED EARTH CR				Inspector Name		Brian Pientsch					
Located Over		TRIBUTARY TO WABASCA RIVER,					Inspector Class		BR CLS A				
Located On		88:12 C1 15 063					Assista	int Name	Clem Guenette				
Water Body Cl	Noar	86.12 CT 15.065					Assista	int Class					
Navigabil CL/X	/ Teal						Inspec	tion Date	12-Jun-2012				
Legal Land Loc								ntry By	Theresa Lacusta				
Legai Lanu Lou	tudo	115:07:55 57:12:04					Data E	Data Entry Date 05-Nov-2012					
Longitude, Latitude		-115:07:55, 57:12:04					Review	ver Name	Eric Carcoux	Eric Carcoux			
Contract Main Area							Review	Review Date 01-Nov-2012					
Clear Roadway	/Skow	106/-2					Dept. F	Dept. Reviewer Name David Morrison					
	JOKEW	180 / 20					Dept. F	Review Date	15-Jan-2013				
Road Classifica	ation	RAIL-21	0-110				Follow-Up By						
Detour Length	(km)	300	0110										
Bridge Culvert	t Inform	ation					<u> </u>						
Number of Culv	verts		1										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	U/S		-	3670		SP		8.534	125X51	3.0	ROUND		
1	MAIN		-	2700		MP		68.4	125X51	3.5	ROUND		
1	D/S		-	3670		SP		7.924	152X51	3.0	ROUND		
Special Feature	es		BARREL DEIC		:	1		1					
Special Feature	es Comr	ment											
•													
	1				Uti	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone	Telephone						Gas						
Power													
Others							Proble	m (Y/N) ∣No					
Remarks				Δ.		ah Daar	l / Emela						
				A		Now		ankment ation of Cond	ition				
Horizontal Alian	nment				Lasi	8							
Vertical Alignm	ent				7	6	Bottom	sag curve.					
Roadway Width	n (m)		13 000	13.000									
	. ()												
Embankment	4				6	6							
Sidesiope (	_:1)	7)	3.0				-						
(Height of Co	ver(m):	()											
Guardrail (Y/N)			Yes										
Approach Roa	nd / Emb	bankmer	nt General Rat	ing	7	6							
						Upstre	am End						
Culvert Component Las						Now	Explan	Explanation of Condition					
Direction			W										
End Treatment (Concrete, Steel, CONCRETE Others, None)					-								
Headwall			9	9									
Collar			9	9									
Wingwalls			9	9									
(Shape : )													

Alberta Transportation

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Cutoff Wall			N						
Bevel End			9	_					
Heaving (mm)	Heaving (mm) 0								
Invert Above/Below Stream Bed BELOW									
Above/Below (mm) 600									
Scour Protection		7	7	Embankment fill and rock riprap installed to low. Top of rock approx. 300mm below top of culvert. collar.					
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 450)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Bri	dge Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 3670, Type: SP)					
Barrel Last Accessible Date	11-Jun-2012			Ratings are for 3670 spcsp extensions at u/s and d/s ends.					
Special Features									
Special Feature				Barrel deing pipe					
(Type:)									
Special Feature									
(Type:)									
Roof			8	u/s					
Measured Rise (mm)	3709								
Measured At Ring No.	1			Deflection upward.					
Sag (mm)	0								
Percent Sag	0								
Sidewall		9	8	u/s					
Measured Span (mm)	3639		-						
Measured At Ring No.	1			Deflection inward.					
Deflection (mm)	2			1					
Percent Deflection	0								
Floor			N	Covered with silt.					
Bulge (mm)	0								
Measured At Ring No.	1			1					
Abrasion (Y/N)	No			1					
Circumferential Seams		9	9						
Separation (mm)				1					
Longitudinal Seams		9	9						
Total No. of Cracked Rings		5		1					
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)				2N					
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes								
Coating		8	8						
Corrosion By Soil (Y/N)			5						
Corrosion By Water (Y/N)	Yes			1					
	ZERO								
Camber FOS/ZERO/NEG	ZENU								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

01729 -1 Bridge Culvert

		Brid	dge Cu	vert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	<u>(mm):</u>	, F	Rise (mm): 3670, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		8	8					
Baffle		Х	X					
(Туре : )								
Waterway Adequacy		6	6	(Spring fed - ices up every year. Nov 14, 2008)				
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
<b>Barrel Extension General Ratin</b>	g	9	8					
		Duit						
Culvert Component		Brid		Explanation of Condition				
(Pine # · 1 Primary Span Locat	tion Code: MAIN Spa	Lasi n (mm	).					
Barrel Last Accessible Date	11- lun-2012							
Darrei Lasi Accessible Dale								
Special Features								
Special Feature		7	7					
(Type : BARREL DEICING PIP	PE)							
Special Feature								
(Туре : )								
Roof		5	5					
Measured Rise (mm)	2603			@ CL				
Measured At Ring No.								
Sag (mm)	97							
Percent Sag	4							
Sidewall		5	5					
Measured Span (mm)	2870							
Measured At Ring No.								
Deflection (mm)	170							
Percent Deflection	6		-					
Floor		N	N	Under water.				
Bulge (mm)	0							
Measured At Ring No.	Measured At Ring No. 1							
Abrasion (Y/N)	No		1					
Circumferential Seams	1	6	6					
Separation (mm)			1					
Longitudinal Seams	1	7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	Total No. of Rings with Two 0 Cracked Seams			1N				
Min. Remaining Steel Between Cracks (mm)				•				
Proper Lap (Y/N) No								
Longitudinal Stagger (Y/N) No			1					
Coating			6					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

01729 -1 Bridge Culvert

	1	Brid	dge Cu	Ivert Barrel					
Culvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n Code: MAIN, Span (mm):		, Rise (mm): 2700, Type: MP)					
Ponding (Y/N)	Ponding (Y/N) No								
Fish Passage Adequacy		5	5						
Baffle		X	X						
(Type:)									
Waterway Adequacy		6	6	Spring fed-ices up every year14-Nov-2008					
lcing (Y/N)	No								
Silting (Y/N)	No			1					
Drift (Y/N)	No								
Barrel General Rating		5	5						
		D	ownsti	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		E							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall	Headwall								
Collar		X	Х						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		9	9						
Heaving (mm)	0								
Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	600								
Scour Protection		7	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 450)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ration	ng	7	7						
		6							
		L ast	Now	Explanation of Condition					
Channel (U/S and D/S)		Lust	110 00						
Alignment			7						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM not visible					
Drift (Y/N) No									
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			7						

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/CUTC	)FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	55.6/55.	6 Sufficiency Rating (Last/N (%)	ow) 6	<b>61.2/61.2</b> Est. Repl. Yr 2028		2028	Maint. Re	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 Br		Brian Pientsch			Previous Assistant's Name							
Next Inspection Date 1		12-Mar-2014			Previous Inspection Date 05-Aug-2010							
Inspection Cycle (Default) (months) 21												
Comment												