Bridge Culvert Inspection												
Bridge File Nur	mber	73774 -	1 Bridge Culve				Form T		CULM			
Year Built		1996					Lot No.		4			
Bridge or Towr	Name	GIROU	JXVILLE				Inspect	or Name	Brian Pientsch			
Located Over		TRIBUT					Inspector Class		BR CLS A			
Located On				1 37 033				nt Name	Brian Cote			
Water Body Cl./Year						Assistant Class						
Navigabil. Cl./Year							Inspection Date			07-Jul-2011		
Legal Land Location SE SEC 3 TWP 78 RGE 22								ntry By	Lisa Fairhurst			
Longitude, Lati	):15. 55:43:24	VI			ntry Date	12-Aug-2011						
			Transportation				er Name	Arnold Assenheimer				
Contract Main.		CMA03					Review Date		13-Jul-2011			
Clear Roadway		12.1 /	•				Dept. Reviewer Name		Steve Pasqua	n		
AADT/Year	// Skew		2010 (A)				Dept. Review Date		16-Nov-2011			
Road Classifica	ation		2010 (A) 11.8-110				Follow-	Uр Ву				
Detour Length		71	11.0-110				-					
Bridge Culver	· /											
Number of Culver			2									
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2700		MP		34	125X26	2.8,2.8,2.8	ROUND	
2	MAIN			2700		MP		34	125X26	2.8,2.8,2.8	ROUND	
Special Feature				2700		111		54	123720	2.0,2.0,2.0	ROOND	
Special Feature		ment										
Opecial r catal	00 00111	none										
					Uti	ilities (L	ocated	at)				
Utility Attachme	ents											
Telephone							Gas					
Power	3 o/h	S					Municip	bal				
Others						Problem (Y/N)						
Remarks												
				Ap	proa	ch Road	d / Emba	ankment				
					Last	Now	Explan	ation of Cond	ition			
Horizontal Aligi	nment				7	7	Approaches and farm entrances at 4 corners.					
Vertical Alignm	ent				9	9						
Roadway Widtl	h (m)		12.100									
Embankment					8	8						
Sideslope (	•1)		5.0		0	0						
(Height of Co	,	0.5)	5.0									
Guardrail (Y/N)		0.5)	Yes				Improp	er lan in hoth r	ails ahove			
			100				Improper lap in both rails above culverts					
Approach Roa	ad / Eml	bankme	nt General Rat	ing	7	7						
						llpatro	om End					
Culvert Com	onert						am End		ition			
Culvert Comp		o: Drim-	ny Span)		Last	Now	Explan	ation of Cond	nion			
(Pipe # : 1, Sp	антур	e. P11118	iry Span)		6		\A/ k -					
Direction End Treatment	(Concre	ete, Stee	I, STEEL		S		W. barı	<b>с</b> і.				
Others, None)			Х	X								
Collar					X	X						
Cuilai					^	^						

				eam End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Span Type: Primary	/ Span)		_					
Wingwalls		X	X					
(Shape : )								
Cutoff Wall			Х					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	500							
Scour Protection		7	7					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Drie		lvert Barrel				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN_Sna			, Rise (mm): 2700, Type: MP)				
Barrel Last Accessible Date	02-Mar-2008		. <u>.</u>	West pipe. Water too deep				
	02-101-2000							
Special Features			-					
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		7	7	Viewed from end.				
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)	0			Estimated.				
Percent Sag								
Sidewall		7	7					
Measured Span (mm)	2630			@cl				
Measured At Ring No.								
Deflection (mm)	70			Inward deflection.				
Percent Deflection								
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7	As viewed from ends.				
Separation (mm)	30			Const. damage @ 1st circ. seam.				
Longitudinal Seams		Х	Х					
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)								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 2700, Type: MP)					
Coating		8	8						
Corrosion By Soil (Y/N)	No			_					
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG ZERO									
Ponding (Y/N)	No								
Fish Passage Adequacy		8	8						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	7						
			1	ream End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	v Span)								
Direction	1	N		west barrel.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar	Collar								
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		7	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	500								
Scour Protection		7	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		7	7						
Beavers (Y/N)	No		1						
Downstream End General Ratin	ng	7	7						
			Upstre	am End					
Culvert Component				Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction				East barrel.					
End Treatment (Concrete, Steel, STEEL Others, None)									
Headwall		Х	X						
Collar		Х	X						
Collar		X	X						

			Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Wingwalls		Х	X					
(Shape : )								
Cutoff Wall		Х	Х					
Bevel End			7	West bevel pushed in 150mm, suspect riprap placement.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	500							
Scour Protection		7	7					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2700, Type: MP)				
Barrel Last Accessible Date	02-Mar-2008			East pipe. Water too deep				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type : )								
Roof		7	7	Sag est -Viewed from ends.				
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)	0							
Percent Sag								
Sidewall	·	7	7					
Measured Span (mm)	2580			@cl				
Measured At Ring No.				1				
Deflection (mm)	120			Deflection est.				
Percent Deflection	4							
Floor		N	N					
Bulge (mm)				As viewed from and				
Measured At Ring No.				As viewed from ends.				
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	30							
Longitudinal Seams		Х	X					
Total No. of Cracked Rings								
				1				
Total No. of Rings with Two Cracked Seams				-				
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel							
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2700, Type: MP)				
Coating		8	8					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	No							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		8	8					
Baffle		Х	Х					
(Туре : )								
Waterway Adequacy		8	8					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		N	7					
		D	ownstr	eam End				
Culvert Component		1	1	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)							
Direction		N		east barrel.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar			Х					
Wingwalls		Х	Х					
(Shape : )								
Cutoff Wall		X	X					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	500		-					
Scour Protection		7	7					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 300)			1					
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	7	7					
		s	structu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		5	5	90d bend U/S end.				
Bank Stability		8	8					

Structure Usage								
		Last	Now	Explanation of Condition				
HWM (m below Top of Culvert)				Not visible.				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading	NONE							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	5					

Maintenance Recommendations													
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents		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)	55.6/77.	.8 Sufficiency Rating (Last/ (%)	Now)	65.2/76.8	Est. Repl. Yr 2043		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 Sha		Shane Hall			Previous Assistant's Name								
		-2013		Previous Inspection Date 11-Nov-2009									
Inspection Cycle (Default) (months)	21												
Comment													