		70.450			Briag	e Cuive	en inspi		0.11				
Bridge File Nun	nber	73458 -	1 Bridge Cuive	rt					CUL	CULM			
Pridre er Teurs Name MEANDED DIV/									4	4			
Bridge or Town	Name	MEAND					Inspec	tor Name	Briar	Brian Pientsch			
Located Over		LUIOSI	E CREEK, 9.8,	WATERC	ATERCRS-ST			Inspector Class		BR CLS A			
Located On 35:18 C1 49.277						Assistant Name		Clen	Clem Guenette				
Water Body CI./Year						Assistant Class							
Navigabil. Cl./Y	'ear						Inspection Date		10-J	an-2012			
Legal Land Loc	ation	SE SEC	2 12 TWP 120 F	RGE 20 W	/5M		Data Entry By		Ther	esa Lacus	sta		
Longitude, Latit	tude	-117:16	:50, 59:24:24				Data Entry Date		28-F	28-Feb-2012			
Road Authority		Alberta	Transportation	(AIT)			Review	Reviewer Name		Eric Carcoux			
Contract Main.	Area	CMA01					Review	Review Date		eb-2012			
Clear Roadway	/Skew	10.5 /					Dept. F	Reviewer Na	me Davi	d Morrisor	n		
AADT/Year		370 / 20)11 (A)				Dept. F	Review Date	30-N	lar-2012			
Road Classifica	ation	RAU-21	0-110				Follow	-Uр Ву					
Detour Length	(km)	999											
Bridge Culvert	t Inform	ation											
Number of Culv	/erts		2			1		1				1	
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length	Corr	. Profile	PI./Slab Thickness	Shape	
1	MAIN		3475	3841		SPE		57.9	152>	(51	4.2	ELLIPSE	
2	MAIN		3475	3841		SPE		57.9	152>	(51	4.2	ELLIPSE	
Special Feature	es												
Special Feature	es Comr	nent											
					Uti	lities (L	ocated	at)					
Utility Attachme	ents						•						
Telephone	-												
Power	14/00												
Others	wsc	GAUGE	STA. NORTH		Problei	m (Y/N) ∣No)						
Remarks				Δ.									
				A		Now		ankinem of Co	ndition				
Llorizontol Alignment				Δοι	NOW Q	Grade approx 5% both ways - no							
			6	6	passing.								
	ent				0	0	5 m berm each side.						
Roadway Width	ר (m)		10.500										
Embankment					8	8							
Sideslope (_:1)		3.0										
(Height of Co	ver(m) :	4)											
Guardrail (Y/N)			Yes										
Approach Roa	ld / Emb	bankmer	nt General Rat	ing	6	6							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of Co	ndition				
(Pipe # : 1, Sp a	an Type	e: Prima	ry Span)										
Direction					W		South	Pipe					
End Treatment Others, None)	(Concre	ete, Stee	I, NONE										
Headwall					Х	Х							
Collar					Х	Х							
Wingwalls					X	X							
(Shane ·)					Λ	~							
						Page	1 of 7						

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	1	-	
Cutoff Wall		X	X	
Bevel End		X	Х	Est.
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		4	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		4	N	Minor SCOUR ALONG BARREL 1.5M -26-May-2010
Beavers (Y/N)	No			
Upstream End General Rating	1	4	4	GR carried over from 26-May-2010
		Bri	dae Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm): 3475	Rise (mm): 3841. Type: SPE)
Barrel Last Accessible Date	10-lan-2012		<u>.,</u>	South
	10 0011 2012			Shape of barrel looks good.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		1	-	
Roof		5	5	No measurement due to ice on floor.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag			1	
Sidewall		5	5	
Measured Span (mm)	3655			
Measured At Ring No.	13			
Deflection (mm)	180			
Percent Deflection	5		1	
Floor		N	N	Scaling rust, approx 800mm ice.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumterential Seams		N	4	Few missing nuts .
Separation (mm)				
Longitudinal Seams		N	4	Several bolts loose & a
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				1N stagger
Min. Remaining Steel Between Cracks (mm)				-
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	4	Pitting.scaling rust lower 1/2 .
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3475	, Rise (mm): 3841, Type: SPE)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		6	5							
Baffle		N	N							
(Туре :)										
Waterway Adequacy		6	6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	4							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	/ Span)									
Direction		E		South pipe						
End Treatment (Concrete, Steel, Others, None)	NONE		1							
Headwall		X	X							
Collar		X	X							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End	1	Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300		-							
Scour Protection		N	N	Snow covered.						
(Type : NATURAL)										
(Avg. Rock Size(mm) :)										
Scour/Erosion		N	N	(Scour hole d/s of culverts. Minor erosion at outlet - 2003/05/17) Not visible due to snow.						
Beavers (Y/N)	No									
Downstream End General Ratio	ng	4	4	G.R. carried forward.						
			Upstre	am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction		W		(North pipe)						
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		X	X							
Collar		X	X							
Wingwalls		X	Х							
(Shape :)										
Cutoff Wall		X	X							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			Est.
Above/Below (mm)	100			
Scour Protection		4	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		4	N	Minor erosion along side of barrel 1.5m. debris on both sides of
				culvert26-May-2010
				Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		4	4	GR carried fwd from 26-May-2010
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAI	IN, Span (mm): 3	475, Rise (mm): 3841, Type: SPE)
Barrel Last Accessible Date	10-Jan-2012			(North)
Special Features				
Special Feature				Shape of barrel looks good.
(Type:)		I		
Special Feature				-
(Type:)				
Roof		5	5	No measurements due to ice on floor
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			-
Percent Sag				-
Sidewall		5	5	
Measured Span (mm)	3615		U	-
Measured At Ring No	0010			-
Deflection (mm)	140			-
Percent Deflection	140			-
Floor	•	N	N	(Fairly had rust & pitting Couldn't really see fleer due to mily water
Bulge (mm)		IN	IN	
Measured At Ring No.				Approx 800mm crown to ice.
Abrasion (V/N)				-
Circumforential Seema	l	NI	Δ	Fow missing puts
Separation (mm)		IN	4	
			4	
Total No. of Oracles I Divers	0	IN	4	
	0			-
Cracked Seams				1N stanger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	4	(Pitting & scaling rust lower 1/2.
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (n	nm): 34	475, Rise (mm): 3841, Type: SPE)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		6	5							
Baffle		N	N							
(Type :)			1							
Waterway Adequacy	1	6	6							
Icing (Y/N)	No			-						
Silting (Y/N)	No			-						
Drift (Y/N)	No		1							
Barrel General Rating		N	4							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Direction		E		(North pipe)						
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		Х	X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		Х	Х							
Bevel End		Х	Х							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		N	N	No evident problems						
(Type : NATURAL)				Snow covered						
(Avg. Rock Size(mm) :)										
Scour/Erosion		N	N	(Minor erosion at outlet. Scour hole d/s of culverts - 2003/05/17)						
				Snow covered						
Beavers (Y/N)	No									
Downstream End General Ration	ng	4	4	G.R. carried over.						
			Structu							
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		2401								
Alignment		7	7							
Bank Stability			7							
HWM (m below Top of Culvert)				HWM 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)									

Structure Usage									
Last Now Explanation of Condition									
Channel General Rating			7						

			Maintenance Reco	ommenda	ations					
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTC	DFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No (%)	ow)	55.6/44.4 Sufficiency Rating (La (%)		w) 5	54.6/49.1 Est. Repl. Yr 201		2016	Maint. Reqd. (Y/N) No		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	Brian P	Pientsch	P	Assistant's Name Lisbeth Medina						
Next Inspection Date 10-00		-2013	Pi	revious l	Inspection Date 26-May-2010					
Inspection Cycle (Default) (months) 21										
Comment										