				-	Rrida	e Culve	ert Inspe	ection					
Bridge File Nur	mber	82123 -2 Bridge Culvert				Driuge Curve		Form Type		CULM			
Year Built	11001	2003					Lot No.			4			
Bridge or Town	Name		III I S				Inspector Name		Jason Saly				
Located Over	rianio		TARY TO VERN	/II ION RIV	/FR	6 5 28				BR CLS A			
		WATER	RCRS-ST	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		0.0.20,	· ·	nt Name		BIT OLO A			
Located On		36:20 C	24.645		Assistant Class								
Water Body Cl./Year									10-Jan-2013				
Navigabil. Cl./Year					Data Entry By			Marcia Chavez					
Legal Land Location SW SEC 7 TWP 54 RGE 12 W4N				./					22-Jan-2013				
Longitude, Latitude -111:46:16, 53:38:49						Data Entry Date Reviewer Name			John O'Brien				
Road Authority Alberta Transportation (AIT)				Review Dat					19-Jan-2013				
Contract Main. Area CMA14													
Clear Roadway/Skew 11.3 / -30 deg. (LHF)						Dept. Reviewer Name Dept. Review Date			24-Jan-2013				
AADT/Year		1,290 /	2011 (A)				Follow-		ile .	24-3411-2013			
Road Classifica	ation	RAU-2	10-110				- FOIIOW-	ор ву					
Detour Length	(km)	3											
Bridge Culvert	Inform	ation											
Number of Culv	verts		2										
Pipe #	Barrel		Span			Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2400		MP		46		125X26	2.8	ROUND	
2	MAIN		-	2400		MP		46		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	lities (L	ocated	at)					
Utility Attachme							1						
Telephone	West						Gas						
Power	1 wire	OH @ East r/w.					Municip						
Others	-						Probler	n (Y/N)	No				
Remarks													
								inkment	2 a a d!	ti a m			
Harizantal Alian	amant.			L	_ast	Now	Explanation of Condition						
Horizontal Align					9	8	Blind crest curve 300m South. Gradual hill 500m North.						
Vertical Alignm			11 000		7	7							
Roadway Width	n (m)		11.300										
Embankment					N	N	(West e	est embankment has gully erosion from lack of vegetation.					
Sideslope (	:1)		6.0				23/May/2006). Snow covered.						
(Height of Co	· ·	: 1.7)					1						
Guardrail (Y/N)		,	No										
Approach Roa	id / Emi	bankme	nt General Rat	ing	7	7							
							am End						
Culvert Compo				L	ast	Now	Explan	ation of (	Condi	tion			
(Pipe # : <b>1, Sp</b>	an Type	e: )											
Direction				E	=								
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall					Χ	X							
Collar					Х	Х							
	Vingwalls				Χ	X							
Wingwalls (Shape: )							-						

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe #: 1, Span Type: )				
Cutoff Wall		Х	Х	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		N	N	Snow covered but no sign of problem.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)				
Scour/Erosion		N	N	
Decuera (M/N)	No			
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		8	8	
				lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		n (mm	<u>):</u>	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	10-Jan-2013			S pipe
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				Estimated
Percent Sag 1				Listinated
Sidewall		8	8	Span at W end=2407=7mm
Measured Span (mm)	2415			Span at mid=2413=13mm
Measured At Ring No.				Span at E end=2415=15mm=0.6%
Deflection (mm)	15			0.6%
Percent Deflection	1			0.076
Floor		N	N	Iced over.
Bulge (mm)				1
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	1.10	8	8	
Separation (mm)	65			
Longitudinal Seams	00	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)				
Coating		8	7	
Corrosion By Soil (Y/N)	No			Minor.
Corresion By Water (Y/N)	Voc			- IVIII IOI .

		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 2400, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		9	8	(Citavilla cash thuch is a flood 20Mar2000)
Icing (Y/N)	No			(Silt will easily flush in a flood. 28Mar2008).
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		8	8	
				Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo		Span (n	nm):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	10-Jan-2013			N pipe
Special Features		I	1	
Special Feature				
(Type:)			1	
Special Feature				
(Type:)			1	
Roof	I	8	8	Not measured due to ice.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	 			Estimated
Percent Sag	1		1	
Sidewall		8	8	Span at W end=2394=6mm Span at mid=2395=5mm
Measured Span (mm)	2306			Span at E end=2386=14mm=0.6%
Measured At Ring No.				Inwards
Deflection (mm)	14			0.6%
Percent Deflection	1			
Floor		N	N	lce
Bulge (mm)				
Measured At Ring No.	Na			(28/Mar/2008)
Abrasion (Y/N)	No	-		
Circumferential Seams	00	7	7	
Separation (mm)	90			
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		8	7	
Corrosion By Soil (Y/N)	No			Minor

		Brid	dge Cu	Ivert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)			
Camber POS/ZERO/NEG	ZERO						
Baffle (Type:)  Waterway Adequacy Icing (Y/N) No Silting (Y/N) Yes Drift (Y/N) No  Barrel General Rating  Culvert Component (Pipe #: 2, Span Type: ) Direction End Treatment (Concrete, Steel, Others, None) Headwall  Collar  Wingwalls							
Fish Passage Adequacy		8	8				
Baffle		Х	Х				
(Type:)							
Waterway Adequacy		9	8	(City will equity flugh in a flood 20/May/2000)			
Icing (Y/N)	No			(Silt will easily flush in a flood. 28/Mar/2008)			
Silting (Y/N)	Yes						
Drift (Y/N)	No						
Barrel General Rating		8	8				
Culvert Component			Now	Explanation of Condition			
		Lasi	INOW	Explanation of Condition			
		W					
	CTEEL	VV					
Others, None)	SIEEL						
Headwall		Х	Х				
Collar		Х	Х				
Wingwalls		Х	Х				
(Shape: )							
Cutoff Wall		Х	Х				
Bevel End		8	8				
Heaving (mm)	0						
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm)	600						
Scour Protection		N	N	Snow covered but no sign of problems.			
(Type : RIP RAP)							
(Avg. Rock Size(mm) : 350)							
Scour/Erosion		N	N	(Gullies developing around rock apron. 23/May/2006)			
Beavers (Y/N)	No						
Downstream End General Ratio	ng	8	8				
		S	tructu	re Usage			
		Last	Now	Explanation of Condition			
Channel (U/S and D/S)							
Alignment		7	7	Sharp bend @ 20m U/S. No problem.			
Bank Stability		8	8				
HWM (m below Top of Culvert)				HWM not visible.			
Drift (Y/N)	No						
Channel Bottom Degrading/Aggrading	NONE			(28Mar2008). Snow covered.			
Beavers (Y/N)	No						
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						

Structure Usage									
	Explanation of Condition								
Channel General Rating		7							

			Maintenance Recon	nmendations					
Inspector Recommendations		Year	Inspector Comments	Department Comn		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS									
PLACE ADDITION	NAL RIP RAP								
REMOVE DRIFT	ACCUMULATION								
INSTALL CONCR	ETE/STEEL LINING	i							
INSTALL STRUTS	3								
INSTALL CONCR	ETE COLLAR/CUTO	OFF							
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now) (%)		ow) 88.9/88	.9 Sufficiency Rating (Last/Now (%)	90.4/87.0	Est. Repl. Yr	2050	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	(AT to confirm road AT to check this cul & d/s end sections	authority; looks lvert form (CULI for CULM form f	like AT should be the road authority.  I); only 1 u/s & d/s end section, should be or 2 separate metal culverts. 28Mar2008).	Department Comments					
Maintenance Revi	ewed By			Date		E	stimated Tota	1 0	
Proposed Long-Te	erm Strategy								
On 3-Year Progra	m (Y/N)								
Proposed Action									
Previous Inspector's Name Dave		Dave Lam	Pre	Previous Assistant's Name					
Next Inspection Da	ate	10-Oct-2014	Pre	vious Inspection Date	ious Inspection Date 08-Dec-2010				
Inspection Cycle (	Default) (months)	21							
Comment									