	Bridge Culvert Inspection													
Bridge File Nur	mber	82253 E	E-1 Bridge Culv	ert			Form Type			CULM				
Year Built		2000					Lot No.			4				
Bridge or Town	Name	WATERCOURSE CULVERT ON		N		Inspector Name		Russel Vanderschaaf						
				AR GRANDE		Inspector Class		BR CLS B						
Located Over			TARY TO BEAR	R RIVER.			Assista	nt Name						
2004.04 0101		8.10.58	.18.2.1, WATE	RCRS-ST	•		Assistant Class							
Located On		43:04 R	1 13.990				Inspect	Inspection Date		29-Nov-2012				
Water Body Cl.	./Year						Data Entry By			Theresa Lacusta				
Navigabil. Cl./Y	⁄ear						Data Entry Date			17-Dec-2012				
Legal Land Loc	cation	SE SEC	17 TWP 72 R	GE 4 W6I	M		Review	er Name		Eric Carcoux				
Longitude, Lati	tude	-118:34	:31, 55:13:44				Review	Date		17-Dec-2012				
Road Authority	•	Alberta	Transportation	(AIT)			Dept. Reviewer Name			Steve Pasquan				
Contract Main.	Area	CMA05					Dept. R	Review Da	ate	03-Jan-2013				
Clear Roadway/Skew 12.9 /						Follow-	Up By							
Contract Main. Area CMA05 Clear Roadway/Skew 12.9 / AADT/Year 5,880 / 20 Road Classification RAD-412 Detour Length (km) 1 Bridge Culvert Information Number of Culverts 2 Pipe # Barrel S 1 MAIN - 2 MAIN - Special Features Special Features Comment		2011 (A)												
Road Classifica	ation	RAD-41	2.4-120											
Detour Length	(km)	1												
Bridge Culver	t Inform	ation												
Number of Cul	verts		2	ı		I				I				
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1200		SSP		32			9.5	ROUND		
2	MAIN		-	1200		SSP		32			9.2	ROUND		
Special Feature	es													
Special Feature	es Comi	ment												
					l lei	ilitias (l	ocated	at)						
Utility Attachme	ents				Oti	iiues (L	-ocateu	at)						
							Gas							
·								nal						
							1 100101	( . , ,	1110					
Year Built   2000														
										tion				
Horizontal Alig	nment				9	9	In gentl	e sag						
Vertical Alignm	ent				7	7								
Roadway Widtl	h (m)		12.900											
Embankment					8	8								
Sideslope (	:1)		3.0											
		: 1)												
		•	Yes											
Approach Roa	ad / Eml	bankmer	nt General Rat	ing	7	7								
						Upstre	am End							
<b>Culvert Comp</b>	onent						1	ation of	Condi	tion				
(Pipe # : 1, Sp	an Type	e: )												
Direction					N									
End Treatment Others, None)	(Concre	ete, Stee	STEEL											
					Х	Х								
Collar					Х	Х								

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : <b>1, Span Type:</b> )				
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		8	8	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		8	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	N	Snow covered
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
oposicam Ena Concrai Rasing				
-				Ilvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			<b>)</b> :	, Rise (mm): 1200, Type: SSP)
Barrel Last Accessible Date	29-Nov-2012			West pipe
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)	1147			near cl estimsated due to ice.
Measured At Ring No.				
Sag (mm)	53			
Percent Sag	4			
Sidewall		7	7	
Measured Span (mm)	1197			near cl
Measured At Ring No.				Inward
Deflection (mm)	39			
Percent Deflection	18			
Floor		7	7	near cl
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)				
Longitudinal Seams		Х	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)				

		Brid	lae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Spa			, Rise (mm): 1200, Type: SSP)
Coating	· •	6	6	Minor surface rust.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		Brid	lae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, L	ocation Code: MAIN,			, Rise (mm): 1200, Type: SSP)
Barrel Last Accessible Date	29-Nov-2012			East pipe
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1189			near cl estimated due to ice.
Measured At Ring No.				estimated due to ice.
Sag (mm)	11			
Percent Sag				
Sidewall		7	7	
Measured Span (mm)	1195			near lc
Measured At Ring No.				ineard
Deflection (mm)	5			
Percent Deflection				
Floor		7	7	
Bulge (mm)			,	1 .
Measured At Ring No.				near cl
Abrasion (Y/N)	No			
Circumferential Seams	110	7	7	
Separation (mm)				
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)				

Bridge Culvert Barrel   Last   Now   Explanation of Condition    Pipe # -2, Secondary Span, Location Code: MAIN, Span   Imm):							
Culvert Component		Last	Now	Explanation of Condition			
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 1200, Type: SSP)			
Coating		6	6	Minor surface rust			
Corrosion By Soil (Y/N)	No						
Corrosion By Water (Y/N)	Yes						
Camber POS/ZERO/NEG	ZERO						
Ponding (Y/N)	No						
Fish Passage Adequacy		7	7				
Baffle		Х	Х				
(Type:)							
		7	7				
	No						
	No						
	No						
		7	7				
		D	ownstr	ream End			
Culvert Component							
		s					
End Treatment (Concrete, Steel, Others, None)	STEEL						
		Х	Х				
Collar		Х	Х				
Wingwalls		Х	Х				
(Shape: )							
Cutoff Wall		Х	X				
Bevel End		8	8				
Heaving (mm)							
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm)	200						
Scour Protection		8	N	Snow covered			
(Type : <b>RIP RAP</b> )							
(Avg. Rock Size(mm) : <b>300</b> )							
Scour/Erosion		8	N	Snow covered			
Beavers (Y/N)	No						
Downstream End General Ratio	ng	8	8				
		S	tructu	re Usage			
Channel (U/S and D/S)							
Alignment		8	8				
Bank Stability		8	8				
HWM (m below Top of Culvert)				No HWM visible			
Drift (Y/N)	No						

	re Usage			
		Last	Explanation of Condition	
Channel Bottom Degrading/Aggrading				stable
Beavers (Y/N) No				
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : <b>NONE</b> )				
Channel General Rating			8	

		Maintenance	Recommendatio	ns					
Inspector Recommendations	Year	Inspector Comments	De	partment Comm		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 66.7/66	.7 Sufficiency Rating (Las	st/Now) 73.0/	72.9	Est. Repl. Yr	2060	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			De	partment mments					
Maintenance Reviewed By			Da	te		E	stimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Russel Vander	schaaf	Previous Assis	stant's Name					
Next Inspection Date	29-Aug-2014		Previous Inspe	ection Date	21-Jul-2011				
Inspection Cycle (Default) (months)	21								
Comment									