Bridge Culvert Inspection																
Bridge File Num	ber	01461	-2 Bridge Culve	rt			Form 7	Гуре		CUL1						
Year Built		2006				Lot No.			4							
Bridge or Town	ridge or Town Name ELKWATER						Inspector Name			Jason Rusu						
Located Over TRIBUTARY TO ROSS CREEK, 2 WATERCRS-ST					, 2.7.9	,	Inspector Class			BR CLS A						
Located On 41:04 C1 15.745								ant Name								
								ant Class								
Water Body Cl./Year							Inspec	tion Date		14-Jan-2012						
Navigabil. CI./Year Legal Land Location SW SEC 3 TWP 10 RGE 3 W4M					Λ		Data Entry By Anne Roberts									
				3E 3 VV4IV	/1		Data E	ntry Date		29-Feb-2012						
Longitude, Latitude -110:20:37, 49:47:27 Road Authority Alberta Transportation (AIT)							Reviev	ver Name		Garry Roberts						
Contract Main. A		CMA23		(AII)			Review Date			23-Jan-2012						
Clear Roadway/		8 / 0 de								Tim Davies						
AADT/Year			; g. 010 (A)				Dept. Review Date			11-Mar-2012						
Road Classificat		RAU-2	` '				Follow	-Up By								
Detour Length (10	09-110													
Bridge Culvert																
Number of Culve		ation	1													
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape				
1 1	MAIN		3440	3440		SP		48.77		152X51	3.5	ROUND				
Special Features			3440	3440		OI .		40.77		132/31	3.3	INCOIND				
Special Features		nant														
Openial Foatares	o comm	none.														
					Uti	ilities (L	ocated	at)								
Utility Attachmer	nts															
Telephone	West [Ditch					Gas									
Power							Munici	pal								
Others							Proble	m (Y/N)	No							
Remarks																
				A				ankment								
					Last	_		nation of	Condi	tion						
Horizontal Align					7	7	No pas In a sa	ssing g curve.								
Vertical Alignme			0.000		4	4										
Roadway Width	(m)		8.000													
Embankment					8	8										
Sideslope (:	:1)		5.0													
(Height of Cov	er(m):	5.4)														
Guardrail (Y/N)			No													
Approach Road	d / Emb	ankme	ent General Rat	ing	4	4										
						Upstre	am Enc									
Culvert Compo	nent				Last	Now		nation of	Condi	tion						
Direction			W		•											
End Treatment (Others, None)	(Concre	ete, Ste	el, CONCRETE													
Headwall					9	8										
Collar		9	8													
Wingwalls			Х	X												
(Shape:)																
Cutoff Wall					N	N										

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	<u>I</u>	8	8	Explanation of Condition
Heaving (mm)	0			
Invert Above/Below Stream Bed				
	800			
Above/Below (mm) Scour Protection	800	1	6	LI/C again argain displaced in proving high water repaired
		4	6	U/S scour erosion displaced in previous high water- repaired
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 350)				
Scour/Erosion		4	6	
Beavers (Y/N)	No			
Upstream End General Rating		4	6	
		Brid	d <u>ge Cu</u>	lvert Barrel
Culvert Component				Explanation of Condition
	cation Code: MAII			440, Rise (mm): 3440, Type: SP)
Barrel Last Accessible Date	07-Nov-2008			1m of water in pipe
Special Features				
Special Feature				
(Type:)				1
Special Feature				
(Type:)				
Roof		N	N	Shape looks good
Measured Rise (mm)	3460	IN	IN	PR 9
Measured At Ring No. Sag (mm)	8			
	0			
Percent Sag			Ι	
Sidewall	l	N	N	Inward PR 9
Measured Span (mm)	3416			
Measured At Ring No.	8			Est
Deflection (mm)	24			
Percent Deflection				
Floor		N	N	PR 9
Bulge (mm)	0			
Measured At Ring No.				Est
Abrasion (Y/N)				
Circumferential Seams		N	N	PR 9
Separation (mm)	0			
Longitudinal Seams		N	N	PR 9
Total No. of Cracked Rings	0			1
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		9	8	
Corrosion By Soil (Y/N)	No	3		
Corrosion By Water (Y/N)	No			
	ZERO			
Camber POS/ZERO/NEG	ZERO			

		Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm): 34	440, Rise (mm): 3440, Type: SP)						
Fish Passage Adequacy		X	X							
Baffle			Х							
(Type :)		'								
Waterway Adequacy		9	9							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating		N	N	PR 9						
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
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)	800									
Scour Protection		4	6	Rip rap is repaired						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 350)										
Scour/Erosion		4	6							
Beavers (Y/N)	No									
Downstream End General Ratir	ng	4	6							
		S	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		5	5	U/S channel 90 degrees to pipe						
Bank Stability		4	6							
HWM (m below Top of Culvert)	0.0			Flood above crown						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading	DEGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		4	5							

					Maintenanc	e Recomme	ndations							
Inspector Recommendations	Y	Year Inspector Comments					Department Comments						Est. Cost	Cat #
SHOTCRETE REPAIRS														
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT ACCUMULATION														
INSTALL CONCRETE/STEEL LINING	3													
INSTALL STRUTS														
INSTALL CONCRETE COLLAR/CUT	OFF													
REPAIR SEAMS														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/N (%)	ow) 55	55.6/55.6		Sufficiency Rating (Last/Now) (%)		55.3/59.7		st. Repl. Yr 2056		V	/laint. Re	qd. (Y/N)	No	
Special Comments for Next Inspection							Department Comments							
Maintenance Reviewed By							Date			E	Estima	ted Tota	I 0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Jaso		JSU				Previou	s Assistant's Name)						
Next Inspection Date 14-0		013				Previou	s Inspection Date		07-Aug-2010					
Inspection Cycle (Default) (months) 21														
Comment														