Bridge Culvert Inspection														
Bridge File Number 00320 -1 Bridge Culvert						Form Type		CUL1						
Year Built 1988						Lot No.		4						
Bridge or Town I	Name OKO	OKS				Inspector Name		Jon Davies						
Located Over	SPRI	NG CREEK, 2.13	3.27.2.5, V	VATEF	ATERCRS- Inspector Class				BR CLS B					
	51	1 10 750				Assistant Name								
Localed On	7.00 C	1 13.755	-				nt Class							
Navigabil CL/Year							ion Date		25-Oct-2011					
Legal Land Loca	C 15 TWP 20 R	15 TWP 20 RGE 1 W5M						Alyssa Boynton						
Legal Land Location NE SEC 15 TWP 20 RGE TWSM			111		Data Entry Date		25-Nov-2011							
Road Authority Alberta Transporta			(AIT)			Reviewer Name			Garry Roberts					
Contract Main. Area CMA27					Review Date		U/-Nov-2011							
Clear Roadway/S	4 deg. (RHF)	eg. (RHF)					ivame	I Im Davies						
AADT/Year	5,450	/ 2010 (A)	2010 (A)					ale						
Road Classificat	ion RAU-	210-110				гоном-ор ву								
Detour Length (k	(m) 4													
Bridge Culvert Information														
Number of Culverts 1														
Pipe # E	Barrel	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape			
1 N	MAIN	-	3962		SP		75		152X51	4.0	ROUND			
Special Features	3	-												
Special Features	Special Features Comment													
Utility Attachmer	nts													
Telephone	Telephone SOUTH DITCH						Gas 40			S OF INLET				
Power	N FENCELI	NE (4 wire) and S	South row.	Ι.		Municip	Municipal							
Others				Pro		Probler	roblem (Y/N) No							
Remarks														
			A	pproa	ch Road	d / Emba	ankment							
				Last	Now	Explanation of Condition								
Vertical Alignment				7	7	Hill 250m W								
			/	/										
Roadway Width (m) 12.700				_										
Embankment	Embankment				5	Ditch e	rosion @	NW - 3	3mx10mx1m de	ep - rock lined				
Sideslope (:	1)	3.0				-								
(Height of Cov	er(m) : 8.5)													
Guardrail (Y/N)		Yes												
Approach Road	l / Embankm	ent General Ra	ting	7	7									
					Upstre	am End								
Culvert Compor	nent			Last	Now	Explan	ation of	Condi	ion					
Direction				S		South end.								
End Treatment (Others, None)	Concrete, St		Ξ											
Headwall				8	8									
Collar			6	6	MEDIUM WIDTH CRACKS									
Wingwalls			X	Х										
(Shape :)														
Cutoff Wall			N	N										

Alberta Transportation

	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 1000									
Scour Protection		6	6	Minor settlement of rock					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 350)			-						
Scour/Erosion			6						
Beavers (Y/N) No									
Upstream End General Rating			6						
		Bric	d <u>ge Cu</u>	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):	, Rise (mm): 3962, Type: SP)					
Barrel Last Accessible Date	07-Oct-2009			Not accessible due to high water and silt level.					
Special Features	· · · · · · · · · · · · · · · · · · ·								
Special Feature									
(Type:)									
Special Feature									
(Туре :)									
Roof		7	N	(Est) 07-OCT-2009 PR7.					
Measured Rise (mm)				Viewed from U/S end general shape it good.					
Measured At Ring No.									
Sag (mm)	181								
Percent Sag	5								
Sidewall		7	N	PR7					
Measured Span (mm)	4143								
Measured At Ring No.	9								
Deflection (mm)	181								
Percent Deflection	5								
Floor		N	N	(0.9m silt) 07-OCT-2009 PR7					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		8	N	PR8					
Separation (mm)	0								
Longitudinal Seams		7	N	PR7					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	Total No. of Rings with Two 0 Cracked Seams			(1N stagger) 07-OCT-2009					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Yes			1					
Longitudinal Stagger (Y/N)	Yes			1					
Coating		6	N	SOME ALKALI STAINS @ BOLT LINES @ LONGITUDINAL					
Corrosion By Soil (Y/N)	Yes			SEAMS.)07-OCT-2009					
Corrosion By Water (Y/N)	Yes			(withor superficial corrosion) 07-0C1-2009 PR6.					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

00320 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 3962, Type: SP)					
Fish Passage Adequacy		5	5						
Baffle			Х						
(Type :)									
Waterway Adequacy		6	6						
Icing (Y/N)	No			700mm silt					
Silting (Y/N)	Yes								
Drift (Y/N) No									
Barrel General Rating			N	PR7					
	1	D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	1	N		NORTH END					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		Х	X						
Collar			X						
Wingwalls		X	X						
(Shape:)		,							
Cutoff Wall			N						
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	1200								
Scour Protection		5	5						
(Type : RIP RAP)				-					
(Avg. Rock Size(mm) : 350)			1						
Scour/Erosion			5	Localized scour hole 6m D/S not affecting pipe.					
Beavers (Y/N)	No								
Downstream End General Ration	ng	7	5						
		9	tructu	ra saga					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability			5	Cut banks d/s					
HWM (m below Top of Culvert) 1.9				(931027) No HWM visible.					
Drift (Y/N)	Y/N) No								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			7						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Cor	nments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		77.8/55.6 Sufficiency Rating (La (%)		/) 6	69.3/55.6 Est. Repl. Yr 2033		2033	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	Garry F	arry Roberts Previous A				Assistant's Name					
Next Inspection Date 25-Ju		2013	Pre	evious Ir	nspection Date 07-Oct-2009						
Inspection Cycle (Default) (months) 21											
Comment											