Bridge Culvert Inspection														
Bridge File Num	nber 0	r 01349 -1 Bridge Culvert						Form Type		CUL1				
Year Built 1981						Lot No.								
Bridge or Town	Name IF	RVINE	E				Inspector Name			Jason Rusu				
Located Over	G	ROS VENTRE CREEK, 2.7.7, 'ATERCRS-ST					Inspector Class			BR CLS A				
Located On	4	1:04 C1	4 C1 28.544					Assistant Name						
Water Body CI./Year								ion Date		14-Jan-2012				
Navigabil. CI./Y	ear						Data Entry By		Anne Roberts					
Legal Land Loca	ation S	SW SEC	: 15 TWP 11 R	GE 3 W4	М		Data Entry Date			29-Feb-2012				
Longitude, Latitude -110:20:4		45, 49:54:18		Reviewer Name										
Road Authority Alberta		Iberta T	a Transportation (AIT)					Date						
Contract Main. Area CMA2		MA23			Dept. Reviewer Name		Tim Davies							
Clear Roadway/Skew 11 /		1/						Dept. Review Date		11-Mar-2012				
AADT/Year	6	50 / 201	010 (A)					Follow-Up By						
Road Classifica	tion R	RAU-211	1.8-110											
Detour Length (km) 2	50												
Bridge Culvert Information														
Number of Culv	erts	1		.		_				a a w				
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	7	/166	4788		RPE		66.4		152X51	4.0	ELLIPSE		
Special Feature	S													
Special Feature	s Comme	ent												
					1 14	lition /l	oostod	ot)						
Litility Attachme	nte				01	inties (L	ocaleu	al)						
Telephone	West sid	de					Gas							
Power	Crosses	s road 3	0 m S-1 W			Municipal								
Others	0103303	51000 0	011101111.		Problem (Y/N) No			No						
Remarks									1.10					
				A	oproa	ch Road	l / Emba	Inkment						
	Last Now Explanation of Condition													
Horizontal Alignment			6	6	In curve, superelevated.									
Vertical Alignment			5	5	distance. No passing NB.									
Roadway Width (m)		11.000						<u> </u>						
Embankment					7	7								
Sideslope (:1)		3.0											
(Height of Cov	, /er(m) : 5	5)	0.0											
Guardrail (Y/N)		/	Yes											
Approach Roa	d / Emba	nkmen	t General Rat	ing	5	5								
						Upotro	om End							
Culvert Compo	nent				l ast	Now	Evolan	ation of	Condi	tion				
Direction	ment				W		слріан		Conun					
End Treatment	(Concrete	e, Steel,	, CONCRETE											
Headwall					6	6								
Collar	Collar			6	6									
Wingwalle					Y	Y								
(Shape ·)					~	~								
Cutoff Wall					N	N								

Alberta Transportation

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		5	5	Superficial rust- no pitting at bevel floor					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	700								
Scour Protection			6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)				-					
Scour/Erosion		7	6						
Beavers (Y/N)	No								
Upstream End General Rating		7	5						
		Brid	dao Cu	livert Parrol					
Culvert Component		last	Now	Explanation of Condition					
(Pipe # : 1 Primary Span Loca	tion Code: MAIN_Sn	an (mm)· 7166	S Rise (mm): 4788 Type: RPF)					
Barrel Last Accossible Date	14- lon 2012								
	14-Jali-2012								
Special Features									
Special Feature									
(Type :)									
Special Feature									
(Туре :)									
Roof		N	7						
Measured Rise (mm)	4750								
Measured At Ring No.	Measured At Ring No. 7			Est Shape is good					
Sag (mm)	50			PR 7					
Percent Sag	1			-					
Sidewall		N	6						
Measured Span (mm)	7250		0						
Mossured At Ping No	7250			-					
Deflection (mm)	120	_		Est					
Derection (IIIII)	129			-					
	1								
Floor		N	N	[400 mm MUD & WATER-average with 50% - 100mm rock]					
Bulge (mm)									
Measured At Ring No.				-					
Abrasion (Y/N)									
Circumferential Seams		N	5	3 missing bolt 3 o'clock R12, 2 at 2 o'clock R14					
Separation (mm)	0								
Longitudinal Seams		N	5	2% of BOLTS not torqued @ NORTH SIDEWALL					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)	No			1					
Longitudinal Stagger (Y/N)	No			1					
			5	Superficial corrosion @ bottom baunch &					
Corrosion By Soil (V/N)	Yes		5	roof @ ring #10					
Corrosion By Water (V/N)	100			White alkali type stains thru roof bolts and upper sidewall - ring 283 from d/s					
	7500								
Camber PUS/ZEKU/NEG	ZERU								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	vert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa): 7166	, Rise (mm): 4788, Type: RPE)					
Fish Passage Adequacy		7	7						
Baffle		X	Х						
(Type :)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			6						
	1	D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	1	E							
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		7	7						
Collar			7						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall			N						
Bevel End		7	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	700		-						
Scour Protection	Scour Protection								
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion			5						
Beavers (Y/N)	rs (Y/N) No								
Downstream End General Ratin	ng	4	5						
Structure Usage									
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			6						
Bank Stability			5						
HWM (m below Top of Culvert)	0.0			Existing flood damage					
Drift (Y/N)	No								
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			6						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/66.	7 Sufficiency Rating (Last/N (%)	low)	63.5/68.0	.5/68.0 Est. Repl. Yr 2033		Maint. Reqd. (Y/N)		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 Jase		Rusu		Previous <i>J</i>	evious Assistant's Name						
Next Inspection Date 14		14-Oct-2013			evious Inspection Date 07-Aug-2010						
Inspection Cycle (Default) (months) 21											
Comment											