Bridge Culvert Inspection													
Bridge File Number 09308 -1 Bridge Culvert					Diraş		Form Type			CULM			
Year Built		1997				Lot No.		4					
Bridge or Town	Name		LTA					or Name		Garry Roberts			
Located Over SERVIC WATER			RVICEBERRY CREEK, 3.33.9,					or Class		BR CLS A			
Located On		564:06 0	6 C1 13 /37					Assistant Name					
Water Body Cl./	/Year						Assistant Class		12 lon 2012				
Navigabil. Cl./Y	ear								12-Jan-2012 Erin Roberts				
Legal Land Loc	ation	SW SEC	C 30 TWP 25 R	GE 25 W	4M			Data Entry Date 07-Feb-2012					
Longitude, Latit	ude	-113:29:	.14 51.00.15					er Name		Tom Carey			
Road Authority Alberta 7			Transportation			Review Date			18-Jan-2012				
Contract Main. Area CMA30			) –						me	Tim Davies			
Clear Roadway	/Skew	9.3 / 30	deg. (RHF)				Dept. Reviewer Name Dept. Review Date			09-Feb-2012			
AADT/Year		1,460 / 2	2010 (A)				Follow-		<u> </u>	001002012			
Road Classifica	tion	RCU-20	9-110					0 0					
Detour Length (	km)	5											
	Bridge Culvert Information												
Number of Culv			2			1			1				
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
	MAIN		-	3000		MP		30		125X26	2.8	ROUND	
2	MAIN		-	3000		MP		30		125X26	2.8	ROUND	
Special Feature	S												
Utility Attachme Telephone Power Others Remarks	North				Gas Municipal Problem (Y/N) No								
				Ар	proa		d / Emba						
				Last	Now	1	Explanation of Condition						
Horizontal Align					8	8	IN SAG CURVE.						
Vertical Alignme Roadway Width			9.300		5	5							
Embankment					4	5							
Sideslope (	:1)		5.0				_						
(Height of Cov Guardrail (Y/N)	ver(m) :	: <b>0.6</b> )	Vaa										
			Yes										
Approach Roa	d / Eml	bankmen	nt General Rat	ing	5	5							
							am End						
Culvert Compo		o: Drimer	(Span)		Last	Now	Explan	ation of Co	ondi	lion			
(Pipe # : <b>1, Spa</b>	an Typ	e: Primar	ry Span)		N1		NODTI						
Direction End Treatment (Concrete, Steel, STEEL Others, None)			N		NORTE	I END WES	ыР	IPE					
Headwall					Х	X							
Collar	Collar			Х	X								
Wingwalls	Wingwalls				Х	Х							
(Shape : )	(Shape: )												
						Paga							

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Cutoff Wall		X	X	
Bevel End		6	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		6	7	
Culvert Component				Ivert Barrel
Culvert Component	tion Code: MAINL Co	Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat		un (mm	): 	, Rise (mm): 3000, Type: MP)
Barrel Last Accessible Date	12-Jan-2012			WEST PIPE
Special Features			-	
Special Feature				
(Type:)				_
Special Feature				
(Type:)				
Roof		8	7	Est. Roof
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	60			
Percent Sag	2			
Sidewall		8	8	Inward.
Measured Span (mm)	2943			
Measured At Ring No.	2			
Deflection (mm)	57			
Percent Deflection	2		_	
Floor		N	N	AVG 1.3 m DP SILT
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		6	6	Some loss of material at South joint - minor
Separation (mm)	30			
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)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

09308 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 3000, Type: MP)					
Camber POS/ZERO/NEG NEG									
Ponding (Y/N) No									
Fish Passage Adequacy		4	5						
Baffle		X	Х						
(Туре : )									
Waterway Adequacy		8	7	1.3 m DP					
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		8	7						
				eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	v Span)	1							
Direction		S		SOUTH END WEST PIPE					
End Treatment (Concrete, Steel, Others, None)	STEEL		-						
Headwall		X	X						
Collar		X	X						
Wingwalls		X	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		7	7	External angle iron ribs on bevel.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	500								
Scour Protection		8	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 300)		1							
Scour/Erosion	1	8	7						
Beavers (Y/N)	No		1						
Downstream End General Ration	ng	7	7						
			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		N		NORTH END EAST PIPE					
End Treatment (Concrete, Steel, Others, None)	STEEL			Channel flows through this pipe					
Headwall		Х	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						

Alberta Transportation

Upstream End									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Bevel End		6	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		7	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : <b>300</b> )									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating	<u> </u>	6	7						
		Brid	dae Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN			, Rise (mm): 3000, Type: MP)					
Barrel Last Accessible Date	12-Jan-2012	(I		East PIPE					
	-								
Special Features									
Special Feature				-					
(Type:)				-					
Special Feature				-					
(Туре : )		1							
Roof	1	8	8	Est. Roof					
Measured Rise (mm)				_					
Measured At Ring No.				_					
Sag (mm)	40			-					
Percent Sag	1								
Sidewall		8	8	Inward.					
Measured Span (mm)	2960			_					
Measured At Ring No.	2			_					
Deflection (mm)	40			_					
Percent Deflection	1								
Floor		N	N	Avg. 1.0m ice					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		7	7						
Separation (mm)	30								
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)									
Coating		7	7	Minor superficial rust - East wall					
Corrosion By Soil (Y/N)	No	-							
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	ZERO								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	mm):	, Rise (mm): 3000, Type: MP)					
Ponding (Y/N)	No								
Fish Passage Adequacy			7						
Baffle		Х	X						
(Type : )		~							
Waterway Adequacy		8	7						
Icing (Y/N)	No	0	'						
Silting (Y/N)	No			-					
Drift (Y/N)	No			-					
Barrel General Rating		8	8						
Culvert Component		∎ Last		ream End Explanation of Condition					
(Pipe # : 2, Span Type: Second	any Span)	Last	NOW						
Direction		S		SOUTH END EAST PIPE					
End Treatment (Concrete, Steel, Others, None)	STEEL	5		SOUTH END EAST PIPE					
Headwall		Х	Х						
Collar	Q.II								
		X	Х						
Wingwalls		X	X	-					
(Shape : )									
Cutoff Wall		N	X						
Bevel End		7	7	External angle iron ribs on bevel.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		7	7	_					
(Type : <b>RIP RAP</b> )				-					
(Avg. Rock Size(mm) : <b>300</b> )		1							
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ration	ng	7	7						
		S	Structu	re Usage					
		Last		Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7						
Bank Stability			7						
HWM (m below Top of Culvert)			1	NO VISIBLE HWM					
Drift (Y/N)	No			1					
Channel Bottom Degrading/Aggrading	NONE								
Beavers (Y/N)	No			1					
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1					
Channel General Rating	- /	7	7						

Maintenance Recommendations													
Inspector Recommendations		Year	Inspector Comments		Department Cor		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/No (%)	ow)	88.9/77.	8 Sufficiency Rating (Last/No (%)	w) 7	77.1/75.4 Est. Repl. Yr 2042		2042	Maint. Reqd. (Y/N) N		No			
Special Comments for Next Inspection					Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	I 0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name	William	Reardor	n P	Assistant's Name									
Next Inspection Date 12-Ap		-2015	P	revious li	s Inspection Date 04-Dec-2008								
Inspection Cycle (Default) (months) 39													
Comment													