					Bridg	e Culve	ert Insp	ection						
Year Built Bridge or Town Name Located Over TRIBUTARY T WATERCRS-S Located On Water Body Cl./Year Navigabil. Cl./Year			-1 Bridge Culve	rt			Form 7	Гуре		CUL1				
Year Built 1957						Lot No.				1				
							Inspec	tor Name		Calvin Roberts				
WATERC		TARY TO SHEEP RIVER, 2.13.27.2.8,			Inspector Class			BR CLS B						
Located On							Assistant Name							
		J-3.U-	01 9.010				Assistant Class							
							-	·						
Legal Land Location SE SEC 3 TWP 21				F 2 W/5M			, ,							
				L Z VVOIVI	•		Data Entry Date 09-Mar-2013							
	ado			(ΔΙΤ)						1				
Longitude, Latitude -114:11:19 Road Authority Alberta Tra Contract Main. Area CMA27 Clear Roadway/Skew 10 / AADT/Year 1,200 / 20 Road Classification RCU-209- Detour Length (km) 16 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN 20		•	(/ (1 1)											
Clear Roadway/Skew 10 /				•										
AADT/Year 1,200 / 20		2011 (A)				Dept. Review Date		13-Mar-2013						
	tion		<u> </u>				Follow-Up By							
Detour Length (km)	16												
Bridge Culvert	Inform	ation												
Number of Culve	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Lot No. 1 Inspector Name Calvin Roberts Inspector Class BR CLS B Assistant Name Assistant Class Inspection Date 09-Feb-2013 Data Entry By Lauren Korte Data Entry Date 09-Mar-2013 Reviewer Name Garry Roberts Review Date 16-Feb-2013 Dept. Reviewer Name Tim Davies Dept. Review Date 13-Mar-2013 Follow-Up By Length Corr. Profile Pl./Slab Thickness		Shape					
1 1	MAIN		2027	2240		SPE		46.9		152X51	3.0	ELLIPSE		
Special Feature	s		VERT TIMBER	STRUTS	3	1		1						
			-											
					114	U:4!aa /I		-4\						
Litility Attachmo	nto				Ut	lities (L	ocateo	at)						
Utility Attachment	South	ditch					Gas		North	ditch				
			wiro					nal	INOILII	ditch.				
Power North Ditch -1 wire. Others						· · · · · · · · · · · · · · · · · · ·								
Remarks							1 TODIC	111 (1714)	INO					
Romano				Aı	oproad	ch Road	l / Emb	ankment						
				<u></u>	Last	Now				tion				
Horizontal Alignment			7	7	<u> </u>									
Vertical Alignment			6	6										
Roadway Width	(m)		10.000											
Embankment					7 7									
Sideslope (:1)		3.0											
(Height of Cov		4.5)												
Guardrail (Y/N)	- ()	- /	No											
Approach Road	d / Emb	oankme	ent General Rat	ing	6	6								
Culvert Compo	nont								Candi	tion				
Culvert Compo	nent				Last N	Now		iation or	Conai	tion				
Direction End Treatment (Concrete, Steel, STEEL		IN				es inve	ert.							
End Treatment (Concrete, Steel, Others, None) Headwall			Х	X										
Collar		Х	X											
Wingwalls					X	X								
(Shape:)														
Cutoff Wall				X	X									

			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		5	5					
Heaving (mm)	200							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	100							
Scour Protection		6	N	Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		6	N					
Beavers (Y/N)	Yes			Old Beaver Dam 1m from bevel - channel cut through.				
Unataram Fuel Common Bathan		-						
Upstream End General Rating		5	5					
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last		Explanation of Condition				
(Pipe #: 1, Primary Span, Location	tion Code: MAIN, S	pan (mm): 2027	, Rise (mm): 2240, Type: SPE)				
Barrel Last Accessible Date	09-Feb-2013							
Special Features			I					
Special Feature		5	3	One strut not seated @ threaded rod into hole plate. 2 missing struts.				
(Type: VERT TIMBER STRUTS))			3 of 4 top beams are loose and easily wiggled around.				
Special Feature								
(Type:)								
Roof		3	3	Unable to measure due to ice.				
Measured Rise (mm)	2000							
Measured At Ring No.	7			 Estimate.				
Sag (mm)	240			Estimate.				
Percent Sag	10							
Sidewall		4	4	(Water running through bolt holes; Rings 1 through 5/97).				
Measured Span (mm)	2190							
Measured At Ring No.	7							
Deflection (mm)	163							
Percent Deflection	8							
Floor		5	N	(Superficial corrosion @ North half).				
Bulge (mm)	0			Ice approx 1.0m thick.				
Measured At Ring No.								
Abrasion (Y/N)	Yes							
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		5	5	(Alkalai and superficial floor corrosion @ North half)				
Corrosion By Soil (Y/N)	Yes			,				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							

	Bridge Culvert Barrel								
Culvert Component (Pipe # : 1, Primary Span, Location Code: MAIN, Span		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	<u>n (mm</u>): 2027	, Rise (mm): 2240, Type: SPE)					
Fish Passage Adequacy		Х	5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	3						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		7	N	Snow and ice covered.					
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection		4	N	(5m dia scour hole - rock displaced from streambed)					
(Type : RIP RAP)				Snow covered.					
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		4	N						
Beavers (Y/N)	No								
Downstream End General Ratir	ng	4	4	G.R carried forward.					
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		5	5						
Bank Stability		7	7						
HWM (m below Top of Culvert)	0.7			Grass in U/S fence.					
Drift (Y/N) No				Beaver pond U/S.					
Channel Bottom Degrading/Aggrading	AGGRADING								
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		5	5						

		Maintenance Re	commendations						
Inspector Recommendations	Year	Inspector Comments	Department (Commer	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS		·	•						
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	ì								
INSTALL STRUTS	2013	Replace 2 missing struts and tighten connections.	all						
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION	2013	Push D/S rock back to bevel @ strea and add approx. 4 cu.m class 2 rip ra							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 44.4/3	Sufficiency Rating (Last/N (%)	low) 46.4/41.2	46.4/41.2 Es		2016	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date			E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Jason Rusu		Previous Assistant's Nar	s Assistant's Name					
Next Inspection Date	09-May-2016		Previous Inspection Date	Inspection Date 07-Nov-2009					
Inspection Cycle (Default) (months)	39								
Comment									