Bridge Culvert Inspection														
					J		Form Type CUL1							
Bridge File Number 1968 Bridge or Town Name COUTTS Located Over 2ND ORDER TRIBUTARY TO MACCREEK, 1.6.2.1, WATERCRS-ST Located On 500:04 C1 27.222 Water Body CI./Year Navigabil. CI./Year Legal Land Location SW SEC 17 TWP 1 RGE 11 W4M Longitude, Latitude -111:27:05, 49:01:42 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA24 Clear Roadway/Skew 11.1 / 25 deg. (RHF) AADT/Year 100 / 2011 (A) Road Classification RLU-208-100 Detour Length (km) 4 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or Dia. Special Features Special Features Comment						Lot No			2					
Bridge or Town	Name	COUTT	S				Inspec	Inspector Name Jason Rusu						
Located Over CREEK, 1 Located On 500:04 C1 Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Pridge Culvert Information Number of Culverts 100.000000000000000000000000000000000		RDER TRIBUTA (, 1.6.2.1, WATE	ARY TO N ERCRS-S	/ACDO	ONALD	Inspector Class		BR CLS A						
Located On							Assistant Name							
Water Body Cl.	/Year						Assistant Class			00 1 0040				
							Inspection Date			08-Jun-2012	_			
		SW SE	C 17 TWP 1 R	GE 11 W4	М.			ntry By		Kelsey Roberts				
		-111:27	':05, 49:01:42					ntry Date		16-Jul-2012				
				(AIT)				ver Name		Garry Roberts	<u> </u>			
Contract Main.	Area		·	,					10-Jul-2012					
Clear Roadway	/Skew	11.1 / 2	5 deg. (RHF)				Dept. Reviewer Name			Tim Davies 17-Jul-2012				
AADT/Year		100 / 20	011 (A)				Dept. Review Date Follow-Up By			17-Jui-2012				
Road Classifica	ation	RLU-20)8-100				FOIIOW	-ор Бу						
Detour Length	(km)	4												
Bridge Culvert	Inform	nation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		1451	1600		SPE		122.5		152X51	3.5	ELLIPSE		
Special Features														
Special Feature	es Comi	ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents													
Telephone	West						Gas							
Power							Munici	pal						
Others						Proble	m (Y/N)	No						
Remarks				Α.		l Dan	l / Essala							
				А	Last	Now		nation of (Condi	tion				
Horizontal Alignment			8	8	LAPIAI	iation of v	Condi	tion						
Vertical Alignm					7	7	4:1 TO	BERM						
Roadway Width			9.000		•	'								
			0.000		7	7								
Embankment	.4\		2.5		7	7								
Sideslope (. 40\	2.5											
(Height of Co Guardrail (Y/N)		: 10)	No											
Approach Roa		bankme		ina	7	7								
				9										
Only and One						Upstre			0!!	4:				
Culvert Compo	onent				Last S	Now	SOUTI	nation of (Conai	tion				
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL		3		30011	П						
Headwall					Х	X								
Collar					Х	X								
Wingwalls					Х	X								
(Shape:)														
Cutoff Wall					Х	X								

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	700			
Scour Protection	700	7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	7	
GCGGI/E1GSIGII			_ ′	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Dei	dao Cu	lvort Borrol
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			·
Barrel Last Accessible Date	08-Jun-2012	Span (IIIII	i <i>j</i> . 1431	, mas (min). 1000, type. or L
Dairei Lasi Accessible Date	00-Juli-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)		'		
Roof		5	5	
Measured Rise (mm)	1510			
Measured At Ring No.	30			
Sag (mm)	90			
Percent Sag	6			
Sidewall	-	4	4	Longitudinal seams rating
Measured Span (mm)	1500	•		
Measured At Ring No.	30			
Deflection (mm)	49			
Percent Deflection	3			
Floor	10	7	7	
Bulge (mm)	0	/		
Measured At Ring No.	0			
Abrasion (Y/N)	No			-
	140	7	7	
Circumferential Seams	0	7	7	
Separation (mm)	0			
Longitudinal Seams		4	4	Some loose bolts. 2 cracked rings with 120mm remaining steel at R29 East.
Total No. of Cracked Rings	2			No change.
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	120			
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	1 rock tear done when installed.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Cambor Co/ZEIXO/NEG	ZENO			
Ponding (Y/N)	No			MINOR CORROSION on the floor

07411 -1 Bridge Culvert

		Bric	lge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1451	, Rise (mm): 1600, Type: SPE)					
Fish Passage Adequacy		4	4						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	4						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		N							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		X	X						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		X	X						
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	1000								
Scour Protection		3	3	1 meter deep scour hole - hanging bevel - photo.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		3	3						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	3	3						
		s	1	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		6	6						
Bank Stability		5	5						
HWM (m below Top of Culvert)	1.2			HWM not visible					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	DEGRADING								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		5	6						

		Maintenance R	Recommend	ations					
Inspector Recommendations	Year	Inspector Comments	СОООППОПА	Department Comi	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS							90000		
PLACE ADDITIONAL RIP RAP	2012	Approx. 30m 3 Cl. 1 @ D/S (mediu	m)						
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 44.4/44	44.4/44.4 Sufficiency Rating (Las		51.7/52.3	Est. Repl. Yr	2026	Maint. Re	qd. (Y/N)	Yes
Special Monitor marked cra Comments for Next Inspection	cks for growth ir	n R29- 30 East SW.		Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Assistant's Name						
Next Inspection Date	08-Sep-2015 Previo			us Inspection Date 16-Jun-2009					
Inspection Cycle (Default) (months)	39								
Comment									