					Bride	je Culve	art Inen	action						
Bridge File Num	nher	71281 -	1 Bridge Culve	rt	Bridg	je Guive	Form T			CUL1				
Year Built	1972						Lot No.		4					
Bridge or Town	Name		PRING				Inspector Name			Jason Rusu				
Located Over	rtarrio		RIGATION C,	WATERC	CRS-IC	<u> </u>	Inspector Class		BR CLS A					
Located On			C1 19.660	.,,,,,	,,,,	<u> </u>	Assistant Name							
Water Body Cl.	Year	000.02					Assistant Class							
Navigabil. Cl./Y							Inspection Date		08-Dec-2012					
Legal Land Location SW SEC 19 TWP 4 RGE 27 W4M			₽M		Data Entry By		Anne Roberts							
Longitude, Latitude -113:37:23, 49:18:21						Data Entry Date		08-Jan-2013						
Road Authority Alberta Tr		·				Reviewer Name			Garry Roberts					
Contract Main. Area CMA25		•		Review Date		16-Dec-2012								
Clear Roadway/Skew 9.8 /				Dept. Reviewer Name										
AADT/Year 410 / 20						Dept. Review Date		22-Jan-2013						
Road Classifica	tion	RCU-20					Follow-Up By							
Detour Length (km)	5												
Bridge Culvert	Inform	ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		-	2100		MP	37.8		68X13	4.2,4.2,4.2	ROUND			
Special Feature	s													
Special Feature	s Com	ment												
					114	ilitica (l	o o o to o	04 \						
Utility Attachme	nte				Οti	ilities (L	<u>-ocateo</u>	at)						
Telephone	T	at east R	2OW				Gas							
Telephone 3 line at east ROW Power						Municipal								
Others Suppernet at east ROW					Problem (Y/N) No									
Remarks							1 10010	(. / /	1110					
				A	pproa	ch Road	d / Emb	ankment						
						Now	Explar	Explanation of Condition						
Horizontal Alignment			7	7	Farm entrance 60m N									
Vertical Alignment			7	7										
Roadway Width (m)		9.000												
Embankment					8	8								
Sideslope (:1)		3.0											
(Height of Co	ver(m) :	1.6)	_											
Guardrail (Y/N) No														
Approach Roa	d / Eml	oankmen	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	Culvert Component						Last Now Explanation of Condition							
Direction			_				West							
End Treatment Others, None)	(Concre	ete, Steel	I, CONCRETE											
Headwall					7	7								
Collar			7	7										
Wingwalls			7	7	Some cracking in walls.									
(Shape:)						•								
Cutoff Wall				N	N									

71281 -1 Bridge Culvert

Culvert Component				am End
Culvert Component Bevel End		Last X	Now	Explanation of Condition
Heaving (mm)	0	^		
Invert Above/Below Stream Bed				
	0			
Above/Below (mm) Scour Protection	0	7	7	
		/	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 250) Scour/Erosion		7	7	
Scour/Erosion		'	'	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Bric	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2100, Type: MP)
Barrel Last Accessible Date	08-Dec-2012			Barrel functions as a drop structure
Special Features				
Special Feature				Steel pipe safety rail both ends
(Type:)				
Special Feature				
(Type:)				
Roof		N	6	Culvert drops over 3 m from W. end to
Measured Rise (mm)	2000			middle then levels off.
Measured At Ring No.	2			
Sag (mm)	100			
Percent Sag	4			
Sidewall		N	6	
Measured Span (mm)	2200			
Measured At Ring No.	2			
Deflection (mm)	100			
Percent Deflection	4			
Floor		N	6	
Bulge (mm)	0			
Measured At Ring No.	2			
Abrasion (Y/N)	No			
Circumferential Seams		N	6	Welded together
Separation (mm)	0			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings	0			1
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	5	Pitted rust lower 1/4
Corrosion By Soil (Y/N)	No			1
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

		Brid	lge Cu	ulvert Barrel								
Culvert Component			Now	Explanation of Condition								
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2100, Type: MP)								
Fish Passage Adequacy		5	5									
Baffle		Х	Х									
(Type:)												
Waterway Adequacy		6	6									
Icing (Y/N)	No											
Silting (Y/N)	No											
Drift (Y/N) No												
Barrel General Rating		N	6									
Downstream End												
Culvert Component		Last	Now	Explanation of Condition								
Direction	T			East								
End Treatment (Concrete, Steel, Others, None)	CONCRETE											
Headwall		7	7									
Collar		7	7									
Wingwalls		6	6	Some cracking in walls.								
(Shape:)												
Cutoff Wall		N	N	Concrete baffle walls in D/S apron Buried								
Bevel End		Х	Х									
Heaving (mm)												
Invert Above/Below Stream Bed ABOVE												
Above/Below (mm) 300												
Scour Protection			7									
(Type : RIP RAP)												
(Avg. Rock Size(mm) : 250)												
Scour/Erosion		7	7									
Beavers (Y/N)	No											
Downstream End General Ratin	ng	6	6									
		S	tructu	re Usage								
		Last	Now	Explanation of Condition								
Channel (U/S and D/S)												
Alignment			8	Canal gate u/s 30m								
Bank Stability			8									
HWM (m below Top of Culvert)				No visible HWM								
Drift (Y/N) No												
Channel Bottom Degrading/Aggrading												
Beavers (Y/N) No												
(Fish Compensation Measure 1 :	NONE)											
(Fish Compensation Measure 2 :	NONE)											
Channel General Rating		8	8									

			Maintena	nce Recommer	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6/6	66.7	Sufficiency Rating (Last/Now) (%)		63.5/68.5	Est. Repl. Yr	2023 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Robert	S		Previous	Assistant's Name					
Next Inspection Date	08-Mar-2016			Previous	Inspection Date	08-Sep-2009				
Inspection Cycle (Default) (months)	39									
Comment										