				Brida	e Culve	art Insne	ection							
Bridge File Number	80699 -	80699 -1 Bridge Culvert			e Cuive	rert Inspection Form Type			CUL1					
Year Built		1986				Lot No.		4						
Bridge or Town Nar		DE CACHE					or Name		Russel Vanderschaaf					
Located Over			KV DI\/ED	Ω 10	58.28				BR CLS B	13CHaai				
WATERC		CD6-61			Inspector Class Assistant Name		DR CL3 D							
Located On	40:36 C	1 29.778					nt Class							
Water Body Cl./Yea	ar						ion Date		23-Aug-2012					
Navigabil. Cl./Year						Data Entry By		Theresa Lacusta						
Legal Land Location	n NE SE	C 2 TWP 59 RG	SE 7 W6M				ntry Date		25-Sep-2012					
Longitude, Latitude	-118:56	5:11, 54:04:41					er Name		i i					
Road Authority	Alberta	Transportation	(AIT)			Review				Eric Carcoux 24-Sep-2012 Steve Pasquan 17-Jan-2013				
Contract Main. Area	a CMA05						teviewer N	Jama		n				
Clear Roadway/Ske	ew 10.2 / -2	22 deg. (LHF)				·			·					
AADT/Year	1,220 /	2011 (A)												
Road Classification		11.8-110				Follow-Up By								
Detour Length (km)	60													
Bridge Culvert Info														
Number of Culverts		1												
Pipe # Bar	rel	Span	Rise (or D	Dia.)	Туре		Length		Corr. Profile		Shape			
1 MA	IN	_	1829		SP		170.7		152X51	+	ROLIND			
Special Features	IIV	FLOOR ABR F		ARRE)W/	170.7		102/01	3.0	INCOIND			
Special Features C	omment	T LOOK ADK T	LATEO, D	AIXIXL	L LLD	<i>J</i> v v								
opeciai i eatures o	Offilliefit													
				Uti	lities (L	ocated	at)							
Utility Attachments														
Telephone						Gas								
Power							oal							
Others							n (Y/N)	No						
Remarks														
			Ap	proac	h Road	l / Emba	nkment							
L					Now	Explanation of Condition								
Horizontal Alignment				6	6	Steep grades (est 6%). Crest east. Curve west 75m No passing								
Vertical Alignment				4	4	2 berms (3.0 m) on d/s side with 3:1 at top.								
Roadway Width (m)	10.200												
Embankment				7	7									
Sideslope (:1)		1.5		•	'									
(Height of Cover(m) · 13 0)	1.0												
Guardrail (Y/N)	, . 13.3)	Yes												
	Embon!		ing	A										
Approach Road / I	Lilibalikille	in General Kat	iiig	4	4									
						am End								
Culvert Componer	nt			Last	Now	Explan	ation of C	Condi	tion					
End Treatment (Co	ncrete, Stee	el, CONCRETE		N										
Others, None) ` Headwall				6	6	Honeyo	combing.							
Collar				X	X									
Wingwalls				7	7									
(Shape:)						1								

80699 -1 Bridge Culvert

			Llmotro	om End
Culvert Component		Last	Now	am End Explanation of Condition
Cutoff Wall		N	N	Explanation of Condition
Cuton wan		IN IN	I I V	
Bevel End		X	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
Outroot On				Vert Barrel
Culvert Component	etian Cada, MAIN Con		Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		an (mm):	, Rise (mm): 1829, Type: SP)
Barrel Last Accessible Date	23-Aug-2012			
Special Features		-		
Special Feature		7	7	
(Type : FLOOR ABR PLATES	5)			@ ring 15
Special Feature	,	7	7	
(Type : BARREL ELBOW)				
Roof		4	7	Assume 50mm floor plates. May 25, 2007
Measured Rise (mm)	1758			Estimated sag
Measured At Ring No.	20			Estimated sag
Sag (mm)	71			
Percent Sag	4			
Sidewall		7	7	
Measured Span (mm)	1881			
Measured At Ring No.	20			
Deflection (mm)	52			
Percent Deflection	3			
Floor		6	N	Abrasion plates
Bulge (mm)	0			1
Measured At Ring No.				
Abrasion (Y/N)	No			
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				Each seam has a double row of bolts.
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		7	7	Some staining at D/S end.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

80699 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa):	, Rise (mm): 1829, Type: SP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		4	7	Steep grade likely doesn't allow fish passage.					
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		4	4	Can't handle icing.					
Icing (Y/N)	Yes			Solid ice to top of culvert25-Feb-2010					
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	7						
		D	ownstr	ream End					
Culvert Component		Last		Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		7	7	Diagonal cracks.					
Collar			Х						
Wingwalls		7	7	Medium diagonal cracks.					
(Shape:)									
Cutoff Wall			N						
Bevel End		Х	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		N	7	Grown over.					
(Type : RIP RAP)									
(Avg. Rock Size(mm): 300)									
Scour/Erosion		N	7						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	7						
		s	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		T	1						
Alignment		8	8						
Bank Stability			8	Vertical banks.					
HWM (m below Top of Culvert)				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			8						

			Maintenance Re	commend	lations					
Inspector Recommendations	Year	Inspector Commo	ents		Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	}									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION	2013	Install de-icing lin	ne. Carry over 25-Fe	b-2009						\perp
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 44.4/7	7.8 Sufficie	ency Rating (Last/N	low)	32.3/54.5	Est. Repl. Yr	2031	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					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	Russel Vande	Russel Vanderschaaf Previous								
Next Inspection Date	23-May-2014	23-May-2014 Previous				19-Nov-2010				
Inspection Cycle (Default) (months)	21									
Comment										