Bridge Culvert Inspection													
Bridge File Number	80701 -1	Bridge Culver	t			Form Type			CUL1				
Year Built	1986					Lot No.			4				
Bridge or Town Name	GRANDE CACHE				Inspector Name			Russel Vanderschaaf					
Located Over		ARY TO SMOI CRS-ST	(Y RIVEF	R, 8.10	.58.26,	Inspector Class Assistant Name		BR CLS B					
Located On	40:36 C1	1 32.974											
Water Body Cl./Year						Assistant Class			23-Aug-2012				
Navigabil. Cl./Year						Data Entry By			Theresa Lacus	sta			
Legal Land Location	SW SEC	7 TWP 59 RG	6 W6N	1		Data Entry Date		26-Sep-2012	δια				
Longitude, Latitude	-118:53:2	20, 54:04:54						Eric Carcoux					
Road Authority	Alberta T	Fransportation	(AIT)			Review Date		24-Sep-2012					
Contract Main. Area	CMA05					Dept. Reviewer Name		· · · · · · · · · · · · · · · · · · ·					
Clear Roadway/Skew	10.2 / 0 0	deg.				Dept. Review Date		07-Jan-2013					
AADT/Year	1,220 / 2	2011 (A)			· · ·			ale					
Road Classification	RAU-211	1.8-110				Follow-Up By							
Detour Length (km)	60												
Bridge Culvert Inform	ation												
Number of Culverts	1	1											
Pipe # Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	-		1829		SP		114.6		152X51	4.0	ROUND		
Special Features	F	LOOR ABR P	LATES, E	BARRE	EL ELBO	SW							
Special Features Comr	ment												
				Ut	llities (L	ocated	at)						
Utility Attachments						0							
Telephone					Gas								
Power					Municipal								
Others					Problem (Y/N) No								
Remarks			٨		oh Boo	l / Emb	inkment						
			A	Last	Now				tion				
Horizontal Alignment				7	7	Explanation of Condition On a curve with a crest curve 200 m							
Vertical Alignment			6	6	south. No passing WB. Superelevated.								
Roadway Width (m)		10.200											
Embankment				8	8	Book d							
Sideslope (:1)		1.5		0	0	5:1 at top.							
(Height of Cover(m) :	14.6)	1.5				Rock drains u/s 5:1 at top. Bermed twice with 3:1 at top on d/s end. D/S							
Guardrail (Y/N)		Yes					ide only.						
Approach Road / Emb	bankmen	t General Rat	ing	6	6								
					Unctre	am End							
Culvert Component				Last	Now		ation of	Condi	tion				
Direction				N	140 W	Laplan		Contai					
End Treatment (Concre Others, None)	ete, Steel	, CONCRETE				-							
Headwall				7	7								
Collar				Х	X								
Wingwalls				7	7	5 hairline cracks.							
				1	1	Jianin	IS CIACKS						
(Shape :)													

Alberta Transportation

				am End				
Culvert Component		Last	Now	Explanation of Condition				
Cutoff Wall		N	N					
Bevel End		X	X					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		N	7	50% Sandstone				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 250)								
Scour/Erosion		N	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 1829, Type: SP)				
Barrel Last Accessible Date	23-Aug-2012							
Special Features								
Special Feature		7	7	Elbow @ Ring 13.				
(Type : FLOOR ABR PLATES)							
Special Feature		7	7					
(Type : BARREL ELBOW)								
Roof		7	7	Sag estimated,				
Measured Rise (mm)	1871							
Measured At Ring No.	19			Upward deflection				
Sag (mm)	42							
Percent Sag	2							
Sidewall		7	7					
Measured Span (mm)	1790			Inward deflection				
Measured At Ring No.	19							
Deflection (mm)	39							
Percent Deflection	2			-				
Floor		N	N	Abrasion plates.				
Bulge (mm)	0			1 .				
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	0			1				
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0			1				
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)				2N STAGGER				
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N) Yes				1				
Coating		7	7					
Corrosion By Soil (Y/N)				-				
	No							
Corrosion By Water (Y/N)	No No			-				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

80701 -1 Bridge Culvert

		Brid	lae Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1829, Type: SP)
Ponding (Y/N)	No			
Fish Passage Adequacy		3	3	Too Steep
Baffle		X	X	
(Type:)			~	
Waterway Adequacy		6	6	27-Feb-2010
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
U				
Culvort Component		Last		ream End
Culvert Component		S	NOW	Explanation of Condition
Direction	CONCRETE	3		-
End Treatment (Concrete, Steel, Others, None)	CUNCRETE			
Headwall		7	7	
Collar		X	X	
Collar		^	^	
Wingwalls		7	7	6 Hairline cracks.
(Shape :)				
Cutoff Wall		N	N	
Bevel End		Х	Х	_
Heaving (mm)	0			
Invert Above/Below Stream Bed				_
Above/Below (mm)	0			
Scour Protection		N	7	Mostly overgrown.
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No		1	
Downstream End General Rati	na	7	7	
	5			
			1	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		8	8	
Alignment		0	0	
Bank Stability		5	5	Vertical banks.
HWM (m below Top of Culvert)			1	Hwm not visible.
ft (Y/N) No				1
Channel Bottom DEGRADING Degrading/Aggrading				Deg D/S
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :				
Channel General Rating		5	8	

Maintenance Recommendations											
Inspector Recommendations Ye			Inspector Comments		Department Com	ments	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											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		77.8/77.8	8 Sufficiency Rating (Last/N (%)	ow) 6	62.3/64.2	Est. Repl. Yr	Est. Repl. Yr 2031		qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Russel Vanderse			schaaf	Previous /	Assistant's Name						
Next Inspection Date 23-Ma		3-May-2014 Pro			Inspection Date	19-Nov-2010					
Inspection Cycle (Default) (months)	21										
Comment											