					Brida		ort Incod	ection					
Bridge File Num	Bridg		ert Inspection Form Type			CUL1							
Year Built							Lot No.			1			
Bridge or Town Name CARVEL													
Located Over	Name							or Class		Kris Bosters			
Localed Over								Int Name		BR CLS A Brian Cote			
Located On		770:06 C	S C1 11 163·627·02 C1 3/ 561					nt Class		Bhan Cole			
Water Body Cl./	Year									31-Oct-2012			
Navigabil. Cl./Ye	ear						Inspection Date Data Entry By						
Legal Land Loca	ation	SW SEC	3 TWP 52 RG	GE 2 W5N	1				Theresa Lacusta				
Longitude, Latitu	.22 53.27.15							07-Nov-2012					
Road Authority	Transportation (AIT)						;	Eric Carcoux 04-Nov-2012					
Contract Main. A	Area	CMA11											
Clear Roadway/	Skew	9 / -45 de	eg. (LHF)				· · · · · · · · · · · · · · · · · · ·			Brent Herrick			
AADT/Year		3,190/2	- · · · · · · · · · · · · · · · · · · ·				· · ·	Review Da	ale	13-Nov-2012			
Road Classificat	tion	RCU-209			Follow-	Ор Ву							
Detour Length (I	km)	25					-						
Bridge Culvert							1						
Number of Culve		1	l										
	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 [MAIN	-		1600		SSP		91			10.0	ROUND	
Special Features	s	,	Cathodic Prot	ection Sy	stem					·	·		
Special Features	s Comr												
•													
					Ut	ilities (L	ocated	at)					
Utility Attachmer							1		1				
Telephone	W r/w						Gas						
Power	2 wire	, W r/w, N	v row & approx	50m Eas	st.		Municip						
Others							Probler	m (Y/N)	No				
Remarks													
				A				ankment					
Horizontal Align					6	6	Pipe runs through intersection of 770/627 from SE to NW. Stop sigr on 627.						
Vertical Alignment					6	6	Limited site distances to N. no passing.						
Roadway Width	(m)		9.100										
Embankment					6	4	West side; North of intersection. 0.3m widex5mlongx0.2m deep erosion channelsphoto Starting from edge of intersection pavement.						
Sideslope (:	:1)		2.0										
(Height of Cov	er(m) :	6)							30 01 11				
Guardrail (Y/N) Yes					West side only.								
Approach Road	d / Emb	bankmen	t General Rat	ing	6	6							
						Upstre	am End						
Culvert Component				Last			ation of	Condi	tion				
Direction					E								
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall					Х	X							
Collar					Х	Х							

Alberta Transportation

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Wingwalls			Х								
(Shape :)											
Cutoff Wall		X	Х								
Bevel End		7	7								
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	150										
Scour Protection		6	6	Some sandsfone rock.							
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		6	6								
Beavers (Y/N)	No										
Upstream End General Rating		6	6								
		Brid	dae Cu	lvert Barrel							
Culvert Component			Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1600, Type: SSP)							
Barrel Last Accessible Date			<u>, , .</u>	Water within 800mm of crown, viewed from ends. Shape appears							
				good.							
Special Features											
Cathodic Protection System		7	N								
(Cathodic Protection System T	/pe : UNKNOWN)										
Special Feature											
(Type :)											
Roof		7	N								
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm)											
Percent Sag											
Sidewall		7	N								
Measured Span (mm)											
Measured At Ring No.											
Deflection (mm)											
Percent Deflection											
Floor		N	N								
Bulge (mm)											
Measured At Ring No.				1							
Abrasion (Y/N)				1							
Circumferential Seams		X	X								
Separation (mm)											
Longitudinal Seams		Х	X								
Total No. of Cracked Rings											
Total No. of Rings with Two Cracked Seams											
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)											
Longitudinal Stagger (Y/N)											

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

70363 - 2 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1600, Type: SSP)						
Coating		5	N	Superficial rust10-Jul-2009						
Corrosion By Soil (Y/N)	No			-						
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	Yes			0.5m - 10-Jul-2009						
Fish Passage Adequacy		6	6							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		5	5							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	N							
		D	ownstr	ream End						
Culvert Component			Now	Explanation of Condition						
Direction		W								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall	-	Х	X							
Collar		Х	Х							
Wingwalls			Х							
(Shape :)										
Cutoff Wall		Х	Х							
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		6	6							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		6	6							
Beavers (Y/N)	No									
Downstream End General Ration	ng	6	6							
		s	Structu	re Usage						
				Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7							
Bank Stability		7	7							
HWM (m below Top of Culvert)										
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	No									

Structure Usage											
	Last	Now	Explanation of Condition								
(Fish Compensation Measure 1 : NONE)											
(Fish Compensation Measure 2 : NONE)											
Channel General Rating	7										

Alberta Transportation

Maintenance Recommendations														
Inspector Recommendations			Year Inspector Comments					Department Co	ommer	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS														
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT	ACCUMULATION													
INSTALL CONCR	ETE/STEEL LINING													
INSTALL STRUTS														
INSTALL CONCRETE COLLAR/CUTOFF														
REPAIR SEAMS														
OTHER ACTION			2012	Dewater	and inspect.(Le	evel II Inspec	tion.)							
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)) 55.6/55.6 Sufficiency Rating (La (%)			ating (Last/I	Now)	53.7/53.7 Est. Repl. Yr 2030			2030	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 Arnolo			Arnold Assenheimer				Previous Assistant's Name							
Next Inspection Date 31-J		31-Jan-2016 F					Previous	ious Inspection Date 10-Jul-2009						
· · · · · · · · · · · · · · · · · · ·		39												
Comment														