					Brido	e Culve	ert Inspec	tion					
Bridge File Number 13996 -1 Bridge			Bridge Culve				Form Type			CUL1			
Year Built 1984			•				Lot No.		2				
Bridge or Town Name BROWN					Inspector Name		Brian Pientsch						
Located Over		TRIBUTARY TO CARDINAL CREEK,					Inspector Class			BR CLS A			
		8.10.48.3	8.10.48.3.3, WATERCRS-ST					Assistant Name		Clem Guenette			
Located On		737:02 C	C1 18.699				Assistant Class			BR CLS B			
Water Body Cl./	Year						Inspection Date		25-Mar-2013				
Navigabil. Cl./Year						Data Entry By			Theresa Lacus	sta			
		C 16 TMD 94 DCE 25 M/5M				Data Entry Date			05-Apr-2013				
		-117:54:	7.54.01 56.17.10					Reviewer Name Eric Carcoux					
		Alberta 7	Nhorte Transportation (AIT)					Review Date 03-Apr-2013					
Contract Main. Area CMA04		1						Name	-				
		9.1 /						Dept. Reviewer Name Dept. Review Date					
AADT/Year 3		320 / 20°	12 (A)				Follow-U						
Road Classifica	tion	RCU-209	9-110					' '					
Detour Length (5											
Bridge Culvert													
Number of Culverts 1										I			
Pipe #	pe # Barrel		Span	Rise (or Dia.)		Туре	L	ength		Corr. Profile	Pl./Slab Thickness	Shape	
1 MAIN		-		3670		SP	3	33.5		152X51	3.0	ROUND	
Special Features			00.0								'		
Special Feature		ment											
								_					
					Ut	ilities (L	_ocated a	t)					
Utility Attachme													
Telephone 12m West						Gas							
Power 15m East - 2 wire					Municipa								
Others						Problem	(Y/N)	No					
Remarks				Λ.		ah Daar	d / Embar	lem out					
A						I / Embankment Explanation of Condition							
Horizontal Alignment				7	7	In sag curve, no passing southbound.							
Vertical Alignme					6	6	iii dag da	ai v 0, 110	pacon	ig countration.			
		9.100											
Ttodaway Widin			0.100										
Embankment				7	7								
Sideslope (:1)		4.0											
(Height of Cov	ver(m) :	1.7)											
Guardrail (Y/N) No													
Approach Roa	d / Eml	bankmen	⊥ t General Rat	ing	7	6							
Culvert C	man'						am End	tion of	Camell	tion			
Culvert Compo	ment				Last W	Now	Explana	uon ot	Conal	uon			
End Treatment	(Concre	ete, Steel	CONCRETE		VV		_						
Others, None)					X	X							
	Headwall					0							
Collar					7	N	Snow co	vered					
Wingwalls					X	X	-						
(Shape:)													
Cutoff Wall					N	N							

			Unetro	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	N	Cannot view due to beaver dam & snow.
Heaving (mm)	0	IN	IN	Calliot view due to beaver dail & show.
Invert Above/Below Stream Bed	-			
	1200			_
Above/Below (mm)	1200	NI.	I NI	Crew reversed
Scour Protection		N	N	Snow covered
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 300)			I	(0 1 1 0 1 1 0 000 00 00)
Scour/Erosion		N	N	(Scour hole 6 x 4 x 1m 2003-06-06)
				Snow covered
Beavers (Y/N)	Yes			Dam across bevel. WL is the same u/s & d/s of the dam.
Upstream End General Rating		4	4	G.R. carried forward.
		Bri	dge Cu	Ilvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	oan (mm	1):	, Rise (mm): 3670, Type: SP)
Barrel Last Accessible Date	25-Mar-2013			1257mm ice to crown
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	6	
Measured Rise (mm)		-		1st ring from d/s end has a hole
Measured At Ring No.				Damaged during installation. Patched with a piece of plastic.
Sag (mm)	40			
Percent Sag				-
Sidewall		7	7	
Measured Span (mm)		•		-
Measured At Ring No.				_
Deflection (mm)	0			_
Percent Deflection				_
Floor		N	N	
Bulge (mm)		11	IN	-
Measured At Ring No.				
Abrasion (Y/N)	No			-
	IAO	N.I.	7	
Circumferential Seams	0	N	7	-
Separation (mm)	U	, , , , , , , , , , , , , , , , , , ,		
Longitudinal Seams		N	7	-
Total No. of Cracked Rings	0			-
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		N	5	Some pitting rust above waterline.
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

13996 -1 Bridge Culvert

		Brid	lge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3670, Type: SP)				
Ponding (Y/N)	Yes			About 1m.				
Fish Passage Adequacy		4	4	Dam at u/s end impedes passage.				
Baffle		N	N					
(Type:)								
Waterway Adequacy		5	5					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		N	6					
		D	ownsti	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		Е						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		7	N	Snow covered.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	2000							
Scour Protection		7	N	Snow covered.				
(Type:)								
(Avg. Rock Size(mm):)			1					
Scour/Erosion		7	N	Snow covered.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7	GR carried fwd.				
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		1	1					
Alignment		8	8					
Bank Stability		8	8					
HWM (m below Top of Culvert)	1.0							
Drift (Y/N)	Yes							
Channel Bottom Degrading/Aggrading	NONE			Accross bevel u/s.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		8	8					

		Maintenanc	Recommendations					
Inspector Recommendations	Year	Inspector Comments	Department Co	mments	Та	arget Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·						
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	à							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUT	OFF							
REPAIR SEAMS								
OTHER ACTION	2013	Remove beaver dam @ u/s beve	el.					
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N (%)	low) 55.6/6	Sufficiency Rating (La (%)	ast/Now) 52.2/57.5	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Estir	mated Total	I 0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Kris Bosters		Previous Assistant's Name					
	Kris Bosters 25-Jun-2016		Previous Assistant's Name Previous Inspection Date	08-Oct-2009				
Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months)								