Bridge Culvert Inspection														
Nater Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Longitude, Latitude Contract Main. Area Contract Main. And		-1 Bridge Culve	Bridge Culvert			Form Type		CUL1						
Year Built 1977							Lot No.			4				
Located Over JERRY CREEK, 8.11.80.39.9, WA							Inspect	or Name		Russel Vanderschaaf				
Located Over			CREEK, 8.11.8	30.39.9, V	VATER	RCRS-	Inspector Class			BR CLS B				
Located On			C1 17.733					int Name						
Water Body Cl./								Assistant Class						
							Inspection Date 12-Feb-2013							
		NE SE	C 28 TWP 70 R	GE 9 W5	M		Data E			Lisa Fairhurst				
								ntry Date		08-Apr-2013				
				(AIT)				er Name		Eric Carcoux				
Longitude, Latitude -115:17:58, Road Authority Contract Main. Area CMA06 Clear Roadway/Skew 9.9 / -10 de AADT/Year Road Classification Detour Length (km) Pipe # Barrel Barrel Special Features Special Features Comment		•	()			Review Date 07-Apr-2013								
Clear Roadway/Skew 9.9 / -10 de						Dept. Reviewer Name								
AADT/Year 770 / 2012						Dept. Review Date								
Road Classification RAU-21						Follow-Up By								
Detour Length (km) 99														
		ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		2314	2552		SPE		89.6		152X51	3.5	ELLIPSE		
Special Feature	s			'				'		1				
		nent												
·														
					Uti	lities (L	ocated	at)						
	nts								l					
							Gas							
Telephone Power Others						Municip		N. I						
							Probler	n (Y/N)	No					
Remarks				٨٠	nnroad	h Poar	1 / Emb	ankment						
						Now		ation of	Condi	tion				
				7	7	Sag, curve & crest both sides. No passing southbound. Pipe in								
			6	6	horizontal curve.									
		9.900	900											
Embankment						6								
	·1)		3.0		6		1							
	· ·	12 1)					1							
	<i>v</i> or(iii) .	12.11)	Yes											
Approach Road	d / Emb	ankme	nt General Rating		6	6								
							am End							
_	nent				Last	Now	Explan	ation of	Condi	tion				
End Treatment	(Concre	ete, Stee	el, CONCRETE	<u> </u>	Е		_							
Others, None) Headwall					X	X								
Headwall Collar			N	N	Under	snow.								
					Oriuei :									
Wingwalls			Х	X	-									
(Shape :) Cutoff Wall					N	N								
	outon vvaii			I N	I N	1								

			Unstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	I.	6	6	Rate based on 50% visibility.				
Heaving (mm)	100	0		Trate based on 50 % visibility.				
Invert Above/Below Stream Bed	BELOW			Drift 50-100mm over barrel end				
Above/Below (mm)	300			Dilit 30-100mm over barrer end				
Scour Protection	300	6	N					
(Type : RIP RAP)		0	IN					
(Avg. Rock Size(mm) : 1000)								
Scour/Erosion		6	N	Snow covered				
SCOUI/ETOSIOTI		0	l IN	Show covered				
Beavers (Y/N)	No							
Upstream End General Rating		6	6					
		Brid	dae Cu	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Local	tion Code: MAIN S			·				
Barrel Last Accessible Date	05-Apr-2011	-pari (IIIII	.,. <u>2</u> 314	Could only access to ring 6 due to ice conditions				
Dailer Last Accessible Date	00-Apr-2011			Could only access to fing o due to lice conditions				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		6	N	Holes in roof near outlet from equipment damage.				
Measured Rise (mm)	2465]				
Measured At Ring No.	8			Measurements not taken due to ice on floor.				
Sag (mm)	87							
Percent Sag	3							
Sidewall		4	N	(Cracked seams. Damage at 9:00 on ring 14 & missing bolt at 9:00				
Measured Span (mm)	2443	7	11	ring 17 5 Apr 2011)				
Measured At Ring No.	8			Could only access to ring 6 due to ice conditions				
Deflection (mm)	129							
Percent Deflection	6							
	U	NI.	NI.					
Floor	0	N	N	Under water/ice.				
Bulge (mm) Measured At Ring No.	-							
	Yes							
Abrasion (Y/N)	1 62	_						
Circumferential Seams		7	N					
Separation (mm)	0							
Longitudinal Seams	1.	4	N	(Rings 8,11, 12 & 13 at 3:00 o'clock are cracked. Ring 8, 110mm of steel left. 5 Apr 2011)				
Total No. of Cracked Rings	4			-				
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)	110							
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		5	5	Superficial 4-8 o'clock.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG			Towards D/S end.				
Ponding (Y/N)	No							

78643 -1 Bridge Culvert

		Bric	ige Cu	Ivert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2314	, Rise (mm): 2552, Type: SPE)			
Fish Passage Adequacy		4	4	Outlet above S.B.			
Baffle		Х	Х				
(Type:)							
Waterway Adequacy		N	N	Scour D/S23-Jul-2009			
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		4	4	GR carried forward from 5 Apr 2011			
-				·			
				ream End			
Culvert Component		Last	Now	Explanation of Condition			
Direction Comments Office	OTEEL	W					
End Treatment (Concrete, Steel, Others, None)	SIEEL						
Headwall		Х	X				
Collar		X	X				
Wingwalls		X	X				
(Shape:)							
Cutoff Wall		X	X				
Bevel End		N	N	Bevel cantilevers 2.0m over riprap - photo23-Jul-2009			
Heaving (mm)	0			Snow cover Only 15% visible.			
Invert Above/Below Stream Bed	ABOVE						
Above/Below (mm)	2000						
Scour Protection		5	N	Missing two timber planks in drop structure, others rotten23-Jul-			
(Type : RIP RAP)				2009 Snow covered.			
(Avg. Rock Size(mm) : 500)							
Scour/Erosion		5	N	Snow covered			
Beavers (Y/N)	No						
Downstream End General Ratio	ng	N	N	GR 5-(23-Jul-2009)			
		S	tructu	re Usage			
		Last	Now	Explanation of Condition			
Channel (U/S and D/S)							
Alignment		7	7				
Bank Stability		7	7				
HWM (m below Top of Culvert)	1.0			Drift u/s bevel			
Drift (Y/N) No				Drift accumulation across channel 20m D/S23-Jul-2009			
Channel Bottom Degrading/Aggrading				Degrading D/S only.			
Beavers (Y/N) No							
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating		7	7				

		Main	tenance Recommer	ndations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS				·					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	6								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 44.4/4	Sufficiency Ra (%)	ating (Last/Now)	55.9/55.8	Est. Repl. Yr	2016	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	Brian Pientsc	h	Previous	s Assistant's Name	Lisbeth Medin	a			
Next Inspection Date	12-Nov-2014		Previous	s Inspection Date	05-Apr-2011				
Inspection Cycle (Default) (months)	21								
Comment									