Bridge Culvert Inspection												
Bridge File Nur	mber	77925 -	1 Bridge Culver						CULE			
Year Built		1978					Lot No.		2			
Bridge or Towr	n Name	RAINBO	3OW LAKE			Inspec	tor Name		Brian Pientsch			
Located Over		TRIBUT	DCDC CT			Inspec	•		BR CLS A			
Located On		58:04 C	1 6 811					Clem Guenette				
Water Body CI					Assistant Class							
Navigabil. Cl./Year									11-Jan-2012			
Legal Land Location NE SEC 25 TWP			25 TWP 109 F	OO DOE O WAN			, ,		Theresa Lacusta			
Longitude, Lati			·23 58·20·52				, , , , , , , , , , , , , , , , , , ,		29-Feb-2012			
Road Authority			Transportation	(AIT)					Eric Carcoux			
Contract Main.		CMA01								26-Feb-2012		
Clear Roadway			leg. (LHF)							David Morrisor	า	
AADT/Year	,,	740 / 20						Review Da	ate	30-Mar-2012		
Road Classifica	ation	RAU-21					Follow-	-Ор Ву				
Detour Length	(km)	999					1					
Bridge Culver	` '	ation										
Number of Cul			1									
Pipe #	Barrel	;	Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
1	U/S			2400		MP		8		125X26	2.8	ROUND
1	MAIN			2100		MP		32.3		68X13	4.2	ROUND
1	D/S			2700		MP		13		125X26	2.8	ROUND
Special Feature	es							-				
Special Feature	es Comi	ment										
·												
					Ut	ilities (L	ocated	at)				
Utility Attachme												
Telephone			reoptic North r/	W.			Gas					
Power	North	3 wire					Municipal  Problem (V/N) No.					
Others							Problem (Y/N) No					
Remarks												
				Aŗ	i			ankment	Condit	lian.		
Horizontal Alig	nmant				Last 7	Now 7		ation of				
Vertical Alignm					9	9	Land access both sides 110m West.					
Roadway Widt			15.000		9	<u> </u>						
Ttoadway Widt			13.000									
Embankment					8	8						
Sideslope (_			4.0				-					
(Height of Co	over(m):	<b>2</b> )										
Guardrail (Y/N)	)		No									
Approach Roa	ad / Eml	bankmen	nt General Rat	ing	7	7						
						Upstre	am End					
Culvert Component					Last		1	ation of	Condi	tion		
Direction			N									
End Treatment (Concrete, Steel, Others, None)												
Headwall				Х	Х			_				
Collar	Collar				X	Х						
Wingwalls					Х	X						
(Shape: )												

			11	
Culvent Common and				am End
Culvert Component Cutoff Wall		Last X	Now	Explanation of Condition
Cuton wan		^	_ ^	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection	1	8	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
	I			
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
Opstream End General Rating				
		Bri		vert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	11-Jan-2012			
Special Festures				
Special Features Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof	I	8	8	at cl - measured 27-May-2010
Measured Rise (mm)	2386			Ice on floor
Measured At Ring No.	 			
Sag (mm)	14			
Percent Sag	1			
Sidewall	I	8	8	at cl
Measured Span (mm)	2396			-
Measured At Ring No.				
Deflection (mm)	4			
Percent Deflection	0			
Floor		N	N	Covered with silt and water/ice
Bulge (mm)				1.14m crown to ice.
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		9	8	Rated grouted connection to centre section.
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)				
Coating		8	8	
Corrosion By Soil (Y/N)	No		1	1
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Bric		ulvert Barrel				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2400, Type: MP)				
Ponding (Y/N)	Yes			1m ponding				
Fish Passage Adequacy		8	8					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		8	8					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel Extension General Ratin	ıg	8	8					
		Brio	dae Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2100, Type: MP)				
Barrel Last Accessible Date	11-Jan-2012			No access, 0.9m crown to ice u/s.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		4	4	at C/L, measured 27-May-2010				
Measured Rise (mm)	2223			Crease along top of pipe from installation.				
Measured At Ring No.				- Grease along top of pipe from installation.				
Sag (mm)	123							
Percent Sag	6							
Sidewall		6	6					
Measured Span (mm)	2042			at C/L-measured 27-May-2010				
Measured At Ring No.								
Deflection (mm)	58							
Percent Deflection	3							
Floor		N	N	Under water and silt.				
Bulge (mm)				Beaver dam 4m from d/s end.				
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		N	N	(d/s seam 2005/05/10) Not visible due to water/ice level.				
Separation (mm)				Not visible due to water/ice level.				
Longitudinal Seams		Х	Х					
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)								
Coating		4	4	Pitting rust below waterline.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							

		Bric	dge Cu	e Culvert Barrel						
Culvert Component		Last Now		Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2100, Type: MP)						
Ponding (Y/N)	Yes			1m ponding						
Fish Passage Adequacy		6	6							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		5	5							
Icing (Y/N)	No									
Silting (Y/N)	Yes			Beaverdam 4m d/s.						
Drift (Y/N)	Yes									
Barrel General Rating		4	4							
		Bric	ige Cu	lvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: D/S, Span	(mm):	, F	Rise (mm): 2700, Type: MP)						
Barrel Last Accessible Date	11-Jan-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		8	8	No measurements taken due to ice on floor.						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		8	8	@ CL						
Measured Span (mm)	2666			W CL						
Measured At Ring No.				Inward						
Deflection (mm)	34									
Percent Deflection	1		1							
Floor	1	N	N	0.6m ice on floor						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)			1							
Circumferential Seams	I	N	X	No collars						
Separation (mm)			1							
Longitudinal Seams	I	N	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)										
Coating		N	8							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	ZERO									

		Ivert Barrel		
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: D/S, Span			Rise (mm): 2700, Type: MP)
Ponding (Y/N)	Yes			0.6m ponding
Fish Passage Adequacy			7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratir	ıg	N	8	
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		8	8	
Heaving (mm)	150			
Invert Above/Below Stream Bed	ABOVE			End of bevel under water/ice
Above/Below (mm)	300			
Scour Protection		8	N	Snow covered
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	N	Snow covered
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		7		
Alignment			7	
				Incised channel
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			

Structure Usage								
Last Now Explanation of Condition								
Channel General Rating		7						

77925 -1 Bridge Culvert

			Maintenance	Recommend	lations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Con	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2012	Remove	beaverdam from main ba	arrel.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 44.4/4	4.4	Sufficiency Rating (Las (%)	st/Now)	53.6/54.1	Est. Repl. Yr	2018	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	Brian Pientso	h		Previous	Assistant's Name	Lisbeth Medir	na			
Next Inspection Date	11-Oct-2013			Previous	Inspection Date	27-May-2010				
Inspection Cycle (Default) (months)	21									
Comment										