Bridge Culvert Inspection													
Bridge File Number 75990 -2 Bridge Culvert						Form Type			CUL1				
Year Built							Lot No.	71		4			
Bridge or Town Name MORINVILLE							Inspector Name			Kris Bosters			
Located Over 2ND ORDER TRIBUTARY TO				ARY TO S	STURG	EON	Inspector Class			BR CLS A			
							Assistant Name		Brian Cote				
Located On LOCAL ROAD						Assistant Class			BR CLS B				
Water Body CI./							Inspection Date		24-Apr-2013				
Navigabil. Cl./Ye							Data Entry By			Lisa Fairhurst			
Legal Land Loca			C 28 TWP 54 F	RGE 25 W	Data Entry Date		03-May-2013						
							Reviewer Name		Eric Carcoux				
			ta Transportation (AIT)				Review Date		29-Apr-2013				
Contract Main. A		CMA09						Dept. Reviewer Name					
Clear Roadway/	Skew	8/						Dept. Review Date					
AADT/Year		80 / 20					Follow-	Up By					
Road Classificat	-	RLU-20	J8G-90				-						
Detour Length (		6											
Bridge Culvert		iation	1										
	ans Barrel		Span	Rise (or	Rise (or Dia.)			Length		Corr. Profile	PI./Slab	Shape	
	Sanei		Span	KISE (UI	Dia.)	Туре		Lengui		Con. Fione	Thickness	Shape	
1 [	MAIN		2440	2440		PCB		28.6				SQUARE	
Special Features	5												
Special Features	s Comi	ment											
Litility (Attachman	ata				Uti	lities (L	ocated	at)					
Utility Attachmer		·/					Gas		East r	·//			
Telephone East r/w.   Power 3 wires North r/w.						Municipal Water line in East r/w.							
Power							Problem (Y/N) No						
Others File tag U/S, North. Remarks							FIODIEI	11 (171 <b>N</b> )	INU				
Remains				Α	pproad	h Road	d / Fmb	ankment					
						Now		ation of		tion			
Horizontal Aligni	ment				7	7	Near intersection of Hwy 2 & Twp Rd 544.						
Vertical Alignme	nt				8	8							
					Minor u	undulatior	าร.						
							Guardrail along Hwy 2, South end only.						
Roadway Width (m) 8.000													
Embankment					7	7							
Sideslope (:		0.0	5.0				-						
(Height of Cov	er(m) :	0.6)	NI-										
Guardrail (Y/N) No													
Approach Road / Embankment General Rating		7	7										
							am End						
Culvert Component				Now	Explan	ation of	Condi	tion					
Direction	0.			-	N		-						
End Treatment ( Others, None)	Concre	ete, Stee		=									
Headwall				Х	X								
Collar			X	X									

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Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Wingwalls		X	X						
(Shape : )									
Cutoff Wall		Х	X						
Bevel End		9	9	Lift hooks not grouted. 45mm separation between bevel and R1					
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	600								
Scour Protection		8	8						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 800)									
Scour/Erosion		8	8						
Beavers (Y/N)	No		1						
Upstream End General Rating		8	8						
		Brid	lge Cu	vert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm							
Barrel Last Accessible Date	09-May-2008			Viewed from ends, shape looks good					
Special Features									
Special Feature									
(Type:)		1							
Special Feature									
(Type : )									
Roof			N	(Lift hooks for barrel, pipe 1,2 exposed, no grout.					
Measured Rise (mm)	2427			Ring 6 - 2436, ring 10 - 2430. At U/S May/2008)					
Measured At Ring No.				At 0/3 May/2006)					
Sag (mm)	13								
Percent Sag	0								
Sidewall		8	N	(U/S - 2432, ring 10 - 2442May/2008)					
Measured Span (mm)	2430								
Measured At Ring No.	6								
Deflection (mm)	10								
Percent Deflection	0								
Floor		N	N	(600 deep water. Silt deposit on floor rings 11 & 12 May 2008)					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		8	N						
Separation (mm)	0								
Longitudinal Seams		X	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		Х	X						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)									

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm	): 2440	0, Rise (mm): 2440, Type: PCB)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		9	9						
Baffle		Х	Х						
(Type : )									
Waterway Adequacy		9	9						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		8	9	Last rated 8 May/2008.					
		D	ownst	ream End					
Culvert Component				Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		X	X						
Collar		X	Х						
Wingwalls		X	X						
(Shape : )			Λ						
Cutoff Wall			X						
Bevel End		8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	600								
Scour Protection		8	8						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : <b>800</b> )				-					
Scour/Erosion		8	8						
Beavers (Y/N)	No								
Downstream End General Ration	ng	8	8						
		s	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		9	9						
Bank Stability			4	Vertical banks NW - does not appear to have changed.					
HWM (m below Top of Culvert)			1	HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	NONE								
Beavers (Y/N)	No			1					
				1					

Structure Usage									
	Last Now Explanation of Condition								
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating	4	4							

Maintenance Recommendations											
Inspector Recommendations	Year	Year Inspector Comments			Department Comments				Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 88.9/	100.0	Sufficiency Rating (Last/Now) (%)		89.3/94.4 Est. Repl. Yr 2080		2080	Maint. Reqd. (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	Jacob Oresile Prev				vious Assistant's Name						
Next Inspection Date	24-Jan-2018 Pre				ious Inspection Date 09-May-2008						
Inspection Cycle (Default) (months)	57										
Comment											