					Brida	a Culve	art Insn	ection							
Bridge File Number 77392 -1 Bridge Culvert			Billag	e curv	Form Type			CUL1							
Year Built 1971					Lot No.			2							
Bridge or Town Name WHITECOURT			COURT	-			Inspector Name		Eric Carcoux						
Located Over			ARY TO MCLE	OD RIVE	=====================================		Inspector Class			BR CLS A					
		8.11.107	.4, WATERCE	RS-ST	,		Assistant Name		DIC OLO //						
Located On		32:10 C	25.982				Assistant Class								
Water Body Cl./Year						Inspection Date		14-Oct-2012							
Navigabil. Cl./Year					Data Entry By		Theresa Lacusta								
Legal Land Loc	ation	SW SEC	13 TWP 59 F		Data Entry Date		19-Dec-2012								
		05, 54:05:56				Reviewer Name		Stew Hagan							
-			<b>Fransportation</b>		Review Date		12-Dec-2012								
Contract Main. Area CMA12									Dept. Reviewer Name						
Clear Roadway/Skew 8.2 / 15 de			deg. (RHF)		Dept. Review Date		21-Dec-2012								
AADT/Year		1,950 / 2	2011 (A)				<u> </u>		aic	21 000 2012					
Road Classifica	ation	RAU-209					Follow-Up By								
Detour Length	(km)	3													
Bridge Culvert	Inform	nation													
Number of Culv	/erts	1	1												
Pipe #	Barrel	8	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN	2	2920	3230		SPE		129.8		152X51		ELLIPSE			
Special Feature	es						1.20.0								
Special Feature		ment													
					Uti	ilities (L	ocated	at)							
Utility Attachme							T_		1						
Telephone West r/w.					Gas										
Power	1 wire	rire East r/w.					Municipal Problem (Y/N) No								
Others							Proble	m (Y/N)	No						
Remarks	BF tag	g installed	d @ top of U/S												
				A				ankment		tion.					
Harizantal Alian	nmont				8	NOW 8	Explanation of Condition								
Horizontal Align					6	6	-								
Vertical Alignm Roadway Width			8.200		0	0									
							<b>D</b> 1								
Embankment	.4\		2.5	N	5	Roadway shoulder pavement longitudinal cracking.									
Sideslope (	· ·	. 44\					-								
(Height of Co Guardrail (Y/N)		: 11)	Yes												
Approach Roa	ıd / Eml	bankmen	t General Rat	ing	6	6									
						Unstre	am End								
Culvert Compo	onent				Last	Now		m l=nto Explanation of Condition							
Direction				W											
End Treatment Others, None)	(Concre	ete, Steel	, CONCRETE												
Headwall					Х	Х									
Collar	Collar			3	3	Extend	led collar	settlen	nent and breaki	ng up. Should	er slabs pushed				
NAP III			X												
Wingwalls (Shape: )				X											
(Shape: )			N.	NI NI											
Cutoff Wall			N	N											

77392 -1 Bridge Culvert

Culvert Company		Last	Now	Explanation of Condition					
Culvert Component Bevel End		3	NOW 4	Both tops of bevel bent inwards up to 300mm.					
	200	3	4	Both tops of bever bent inwards up to Soonlin.					
Heaving (mm) Invert Above/Below Stream Bed	BELOW								
				-					
Above/Below (mm)	400	5	5						
Scour Protection		5	<u> </u>						
(Type: RIP RAP)									
(Avg. Rock Size(mm) : <b>300</b> )			T -						
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Upstream End General Rating		3	3						
		Brio	dae Cu	Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			· •					
Barrel Last Accessible Date	15-Dec-2007			Water 1m deep, viewed from ends, looks good.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		3	N	(U/S rock, ring 12 rock. 20/July/2007) Floor iced over.					
Measured Rise (mm)	3347			(D/S end upward deflection. Calculation based on previous					
Measured At Ring No.				inspection measurement. Deflection within 4% tolerance. Sag: -117.					
Sag (mm)	117			3.5%. 15/Dec/2007) Sag similar to deflection at u/s end.					
Percent Sag	4			Say similar to deflection at this end.					
Sidewall		3	N	(Span 2982 @ R18, 2.7%. 2003/11/25) (Shape looks ok. Due to torn					
Measured Span (mm)	2539			section - photo 7. Ring 12-2981, D/S-2740. Deflection is inward at U/S end. Average 2640 span at ends so 280 deflection @ R12 or					
Measured At Ring No.	1			9.6%. Deflection: -38113.0%. 15/Dec/2007)					
Deflection (mm)	381			First ring torn at 3 & 9 o'clock where collar is pushing in.					
Percent Deflection	13			This thing torn at 3 & 9 0 Glock where collains pushing in.					
Floor		N	N	(Covered with rock from U/S to half length of barrel - photo 8.					
Bulge (mm)	0			20/July/2007)					
Measured At Ring No.									
Abrasion (Y/N)	Yes								
Circumferential Seams		N	N						
Separation (mm)	0		1						
Longitudinal Seams	-	N	N						
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	N	(Minor superficial rust lower 1/2 - photos 9 & 10. 20/July/2007)					
Corrosion By Soil (Y/N)	Yes	1.1	1 1 1	(Corrosion through bolt hole. 15/Dec/2007)					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	Yes			Ponding 600mm.					

77392 -1 Bridge Culvert

		Brio	dge Cul	vert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm): 292		0, Rise (mm): 3230, Type: SPE)					
Fish Passage Adequacy		7	3	Hanging outlet					
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		4	4	Large scour hole D/S end - photo					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		3	3	GR carried over from 15-Dec-2010					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	ection								
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )			1						
Cutoff Wall		X	X						
Bevel End		4	4	Both tops of bevels pushed inwards, 200mm.					
Heaving (mm)	400								
Invert Above/Below Stream Bed									
Above/Below (mm)	0		1						
Scour Protection		N	3						
(Type : <b>NONE</b> )									
(Avg. Rock Size(mm) : )			1						
Scour/Erosion		N	3	20m long, 15m wide scour hole.					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	3	3						
		S	tructur	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)			1						
Alignment			7						
Bank Stability		N	5						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	NONE			Beaver dam 1.8m high 40m U/S.					
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		4	7						

		Maintenance	Recommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS		<u> </u>							
PLACE ADDITIONAL RIP RAP	2013	10m3 (estimated) to be placed D/s	S.						
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 33.3/33	33.3/33.3 Sufficiency Rating (Last		36.7/30.9	Est. Repl. Yr	2020 Maint. Re		qd. (Y/N)	Yes
Special Monitor R1 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	Kris Bosters		Assistant's Name						
Next Inspection Date	14-Jul-2014		Previous	Inspection Date 15-Dec-2010					
Inspection Cycle (Default) (months)	21								
Comment									