Bridge Culvert Inspection														
Bridge File Number 79220 -1 Bridge Culvert					Dirag	e ean	Form Type			CUL1				
Year Built				v			Lot No			1				
Bridge or Town	Name		EUVE				Inspector Name			Melanie Johnson				
Located Over			TARY TO STURGEON RIVER,				Inspector Class			BR CLS B				
		6.65.13,	WATERCRS-	ST			Assistant Name							
Located On		37:02 C1	30.794				Assista	ant Class						
Water Body Cl./Year							Inspection Date			08-Nov-2011				
Navigabil. Cl./Year							Data Entry By			Theresa Lacusta				
Legal Land Loc	4 TWP 55 R0		Data Entry Date			19-Nov-2011								
			41, 53:42:59		Reviewer Name			Eric Carcoux						
			ransportation		Review Date			13-Nov-2011						
Contract Main. Area CMA09								Reviewer	Name	Brent Herrick				
Clear Roadway/Skew 12 /								Review Da	ate	15-Dec-2011				
AADT/Year			5,060 / 2010 (A)					-Uр Ву						
Road Classifica		RAU-211	1.8-110				-							
Detour Length (km) 6 Bridge Culvert Information														
Number of Culv Pipe #		1		Pico (ar	Dia.) Type			Longth		Corr. Profile	PI./Slab	Shape		
Pipe #	Barrel		Span Rise		e (or Dia.) Ty			Length		Con. Prome	Thickness	Snape		
1	MAIN	-		1800		MP		26		125X26		ROUND		
Special Feature	Special Features									·				
Special Feature	es Comi	ment												
					Uti	lities (l	_ocated	at)						
Utility Attachme							0							
Telephone	South						Gas							
Power	1 wire	OH Nort	n row				Munici		N. 1 -					
Others Remarks							Proble	m (Y/N)	No					
Remarks				Δ	pproo	h Poo	d / Emb	ankment						
	Last			ation of	Condi	tion								
Horizontal Alignment				7	7	Farm entrance to east, Hwy 44 to west.								
Vertical Alignment				8	8									
Roadway Width (m)			12.000											
Embankment					7	7								
Sideslope (:1) 3.5														
(Height of Co		: 2)												
Guardrail (Y/N)			No											
Approach Roa	d / Eml	bankmen	t General Rat	ina	7	7								
Culvert Comp	onent				Last	Upstre Now	am End Explar	nation of	Condi	tion				
Direction				N										
End Treatment (Concrete, Steel, STEEL														
Others, None)					v	V								
Headwall			X	X										
Collar	Collar			X	X									
Wingwalls			Х	X										
(Shape :)														
Cutoff Wall					X	X								

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	6							
Heaving (mm)	50									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600									
Scour Protection			7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)			-							
Scour/Erosion		7	7							
Beavers (Y/N)	No		1							
Upstream End General Rating	1	6	6							
		Bric	lae Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1800, Type: MP)						
Barrel Last Accessible Date	23-Mar-2010		-	Water/thin ice with 1m deep pipe, viewed from ends shape appears adequate.						
Special Features										
Special Feature										
(Type :)										
Special Feature										
(Type :)										
Roof		5	5	Visible sag on barrel roof.						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	50			Est 3% sag						
Percent Sag	3									
Sidewall	·	6	6							
Measured Span (mm)	1850									
Measured At Ring No.										
Deflection (mm)	50									
Percent Deflection	3									
Floor		N	N							
Bulge (mm)	0			1						
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		3	N	One seam has failed at 4/5 Lphoto						
Separation (mm)	45			Gaps between rings are filled with concrete 23-Mar-2010						
Longitudinal Seams		Х	Х							
Total No. of Cracked Rings				1						
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	Lower 50% of bevel has severed scaling rust. No perforation visible.						
Corrosion By Soil (Y/N)	No			(Perforations & failed seam under water. 00/06/23)						
Corrosion By Water (Y/N)	Yes			1						
Camber POS/ZERO/NEG	NEG									

Bridge Inspection & Maintenance System (Web 2005)

		Brid	lge Cu	Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 1800, Type: MP)					
Ponding (Y/N)	No			Stagnant water in barrel is largely due to the lowering of barrel elevation below streambed elevation. Possibly coupled with negative camber.					
Fish Passage Adequacy			6						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		3	3	GR carried fwd.					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	STEEL		-						
Headwall		X	X						
Collar		X	Х						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall			X						
Bevel End			5						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW			-					
Above/Below (mm)	750		-						
Scour Protection		7	7	-					
(Type : RIP RAP)				-					
(Avg. Rock Size(mm) : 300)			-						
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ration	ng	5	5						
		S	structu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability			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 :	1								
(Fish Compensation Measure 2 :									
Channel General Rating			7						
		7		3 of 5					

Structure Usage Last Now Explanation of Condition Alberta Transportation

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector C	comments		Department Com	nment	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION		2012	Dewater for noted perfo	r detailed inspection to rations and other failed	confirm seam.							
OTHER ACTION		2012	(Repair faile 23-Mar-201	ed seam - install interna 0) if not done	al coupler							
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		33.3/33.	3 Si (%	ufficiency Rating (Las %)	t/Now)	41.3/41.2	Est	. Repl. Yr	2013	Maint. Re	qd. (Y/N)	Yes
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 Sh		Shane Hall				vious Assistant's Name						
Next Inspection Date	08-Aug-2013 P					ous Inspection Date 23-Mar-2010						
Inspection Cycle (Default) (months) 21												
Comment												