74308 -1 Bridge Culvert

					Bridg	e Culve								
Bridge File Number 74308 -1 Bridge						Form 7			CUL1					
Year Built 1955							Lot No			2				
Bridge or Town Name CALAIS						Inspec	or Name		Russel Vanderschaaf					
Located Over TRIBUTARY TO STURGEO 8.10.58.7.23.7, WATERCR				GEON C	EON CREEK,			or Class		BR CLS B				
Located On 43:06 C1 33.514							nt Name							
Water Body Cl./Year							nt Class							
Navigabil. Cl./Year								tion Date		03-Dec-2012				
Legal Land Loca		SEC	14 TWP 70 R	GE 24 W	/5M			ntry By		Theresa Lacusta				
Legal Land Location NW SEC 14 TWP 70 RGE 24 Longitude, Latitude -117:33:31, 55:03:56								ntry Date		20-Jan-2013				
			ransportation	(AIT)			1101101	Reviewer Name Eric Carcoux						
Contract Main. Area CMA03				,			Review Date 09-Jan-2013							
Clear Roadway/Skew 12.3 /								Dept. Reviewer Name David Morrison						
AADT/Year 5,020 / 20			011 (A)				Dept. Review Date		19-Mar-2013					
Road Classificati			3.4-120				Follow-Up By							
Detour Length (k	m) 275													
Bridge Culvert I	nformatio	n												
Number of Culve	erts	1												
Pipe #	Barrel	S	span	Rise (or Dia.		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 N	ΛΑΙΝ	-		2430		SP		54.9		152X51	3.0	ROUND		
Special Features	3													
Special Features	Comment	:												
								_						
Liche Arr	,				Uti	ilities (L	ocated	at)						
Utility Attachmen	North r/w						Gas							
		9 200	, a/b Cauth r/u					a a l						
Power 4 wire o/h, & 3w o/h South r/w. Others						Munici	m (Y/N)	No						
Remarks							1 TODIC	II (1/1 4)	INO					
Romano				A	oproad	ch Road	d / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment			7	7		Approach 300m West.								
Vertical Alignment				7	7	Crest curve East.								
Roadway Width (m)		12.300												
Embankment				8	8									
		4.0												
(Height of Cover(m) : 2.5)														
Guardrail (Y/N)		Yes				South side is 8.0 m off of shoulder								
Approach Road	/ Embank	ment	General Rat	ing	7	7								
						Upstre	am End							
Culvert Compor	nent				Last			ation of	Condi	tion				
Direction					S									
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall			Х	Х										
Collar			Х	Х										
Wingwalls (Shape:)				Х	Х									

74308 -1 Bridge Culvert

			Unctre	am End						
Culvert Component			Now	eam End Explanation of Condition						
Cutoff Wall		Last X	X	Explanation of Condition						
Cuton Wan		^								
Bevel End		N N		Concrete slab, on bevel floor.						
Heaving (mm)	300			Snow/ice covered.						
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	200									
Scour Protection		N N		Snow covered.						
(Type : NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion		N	N	Snow covered.						
Beavers (Y/N)	Yes									
Upstream End General Rating		5	5	GR carried forward.						
·										
				Ivert Barrel						
Culvert Component			Now	· •						
(Pipe # : 1, Primary Span, Loca	1	pan (mm	1):	, Rise (mm): 2430, Type: SP)						
Barrel Last Accessible Date	03-Dec-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		N	5							
Measured Rise (mm)										
Measured At Ring No.	2			Lipuxard carried ever OF May 2000						
Sag (mm)	128			Upward-carried over -05-May-2009 due to ice						
Percent Sag	5									
Sidewall		N	5	Tear in sidewall @ R 17, construction						
Measured Span (mm)	2302			damage.						
Measured At Ring No.	2									
Deflection (mm)	128									
Percent Deflection	5									
Floor		N	4	Pitting rust 7 scaling rust.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	6							
Separation (mm)	0									
Longitudinal Seams		6	6							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)				1N stagger.						
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes									
Coating		4	4	Pitting & scaling rust.						
Corrosion By Soil (Y/N)	No	,	<u>'</u>							
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Calliber FUS/ZERU/NEG	ZERU									

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		Brid	dge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	oan (mm):		, Rise (mm): 2430, Type: SP)				
Ponding (Y/N) Yes								
Fish Passage Adequacy			4	Water moves fast through barrel05-May-2009				
Baffle			Х					
(Type:)			_					
Waterway Adequacy		6	6					
Icing (Y/N) No								
Silting (Y/N)	No							
Drift (Y/N) Yes								
Barrel General Rating			5					
		D	ownst	ream End				
Culvert Component		Last Now		Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar			Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		N	N	Bevel unsupported, snow/ice covered05-May-2009				
Heaving (mm)	50							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	800		_					
Scour Protection		N	N	Snow covered.				
(Type : NONE)								
(Avg. Rock Size(mm):)								
Scour/Erosion			N	Bevel projecting 2m & unsupported for 1.2 m. Scour hole 20 x 5 x 1mphoto Snow/ice covered.				
Beavers (Y/N) No								
Downstream End General Rating		3	3	GR carried fwd05-May-2009				
Downstream End General Rating				·				
				re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)		7						
Alignment			7					
Bank Stability			5	Downstream banks slumping.				
HWM (m below Top of Culvert)				Hwm not visible.				
Drift (Y/N) Yes								
Channel Bottom DEGRADING Degrading/Aggrading								
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			7					

		Maintenance Re	commendations				
Inspector Recommendations	Year	Inspector Comments	Department Cor	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP	2013	20m3 Class 1 d/s. carried over 05-M	lay-2009				
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	i						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTO	OFF						
REPAIR SEAMS							
OTHER ACTION	2013	D/S end scour repaircarried over 05 2009	5-May-				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 55.6/55	.6 Sufficiency Rating (Last/N	low) 45.0/46.3	Est. Repl. Yr 20	Maint. Re	qd. (Y/N)	Yes
Special Review for replacer Comments for Next Inspection	nent with hwy tv	vinning. Defer repairs until decision is	Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Russel Vander	schaaf	Previous Assistant's Name				
Next Inspection Date	03-Sep-2014		Previous Inspection Date	10-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							