					Brida	a Culve	ert Insp	action					
Bridge File Nur	nher	71934 -1 Bridge Culvert				Court				CUL1			
Year Built 1991			•			Lot No.		4					
Bridge or Town Name DEBOLT										Russel Vanderschaaf			
									BR CLS B				
		CREEK, 8.10.58.17.2.1.1.1.1, WATERCRS-				Assistant Name			DI OLO D				
ST 42:04 L4							Assistant Class						
Located On 43:04 L1 49.052)52						03-Dec-2012			
Water Body Cl							Inspection Date Data Entry By			Theresa Lacusta			
Navigabil. Cl./Year			0 TWD 70 DO	E 4 14/08			Data Entry Date		20-Jan-2013				
-			LC 3 TVVI 72 NGL T VVOIVI				Reviewer Name		Eric Carcoux				
		:37, 55:12:51	/ A ! == \			Review Date		09-Jan-2013					
·		Transportation	(AII)					David Morrisor	า				
Contract Main.		CMA05					Dept. Reviewer Name Dept. Review Date		20-Mar-2013	·			
Clear Roadway	//Skew		deg. (LHF)				Follow-			ZU-IVIAT-ZU13			
AADT/Year			2011 (A)				- Onow	ор Бу					
Road Classifica			12.4-120				-						
Detour Length	· /	1											
Bridge Culver		ation											
Number of Cul			1										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2700		MP		40.7		125X26	2.8	ROUND	
1	D/S		-	2700		MP		46		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	lities (L	ocated	at)					
Utility Attachme	ents							,					
Telephone							Gas						
Power 7w o/h South r/w					Munici	oal							
Others							Proble	m (Y/N)	No				
Remarks													
				Α	pproac	h Road	d / Emb	ankment					
					Last	Now	Explan	ation of	Condi	tion			
Horizontal Alignment			7	7	RR 12 500m East.								
Vertical Alignment				9	9								
Roadway Width (m) 26.500						WB Lane 12.3, EB Lane 14.2							
, , ,					4	N						of nine-04 May	
Embankment Sideslope (:1) 5.0				4	IN	N. shoulder EBL has settled about 100mm each side of pipe-04-2009					on pipe-04-iviay-		
Sideslope (:1) 5.0						Snow covered.					ocations shot	· 0	
Guardrail (Y/N) Yes						N guardrail has collision damage in 2 locationsphoto S. side only EBL, N. side only WBL.							
Approach Road / Embankment General Rating			7	7									
Culve at C	·						am End		Oe	ti a m			
Culvert Component		Last	Now	∟xpıar	ation of	Condi	uon						
Direction End Treatment	(Concre	ete, Stee	I, STEEL		N		_						
Others, None) Headwall			Х	Х									
Collar			Х	X									

71934 -1 Bridge Culvert

Outroot Octobron				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		6	6					
Heaving (mm)	100							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300		_					
Scour Protection			N	0.5m3 rock washed into barrel.				
(Type : RIP RAP)				Snow covered.				
(Avg. Rock Size(mm) : 300)								
Scour/Erosion			N	Snow covered.				
Beavers (Y/N)	No							
Upstream End General Rating		6	6					
		Bri	dae Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Sp			, Rise (mm): 2700, Type: MP)				
Barrel Last Accessible Date	03-Dec-2012	,	, -	,,,, , , , , , , , , ,				
24.70. 240.7.00000.20 24.0	00 200 20.2							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		7	7	Estimated due to ice.				
Measured Rise (mm)	2675			Ice on floor R5-12.				
Measured At Ring No.				100 011 11001 113-12.				
Sag (mm)	58							
Percent Sag	2							
Sidewall		7	7					
Measured Span (mm)	2758							
Measured At Ring No.								
Deflection (mm)	58							
Percent Deflection	2							
Floor		N	N	Ice covered.				
Bulge (mm)	0	,,						
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		4	4	Piping at R516 seam. 08-Mar-2011				
Separation (mm)	40	7	-	1. 151.19 at 110.10 coain. 00 Mai 2011				
Longitudinal Seams		X	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		4	4	Pitting rust on floor 1m wide, U/S half.				
Corrosion By Soil (Y/N)	No			U/S Hall.				
Corrosion By Water (Y/N)	Yes			2 of 5				

		Bric	dge Cu	lvert Barrel				
			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2700, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)			1					
Waterway Adequacy	1	7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		7	7					
Culvert Component			Now	eam End				
Culvert Component Direction		Last S	INOW	Explanation of Condition				
	CTEL	3						
End Treatment (Concrete, Steel, Others, None)	SIEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)		1	1					
Cutoff Wall		X	X					
Bevel End	I	N	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm) 0			1					
Scour Protection		N	N	Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		N	N	Snow covered.				
Beavers (Y/N) No								
Downstream End General Ratio	ng	8	8					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			7					
Bank Stability		8	8					
HWM (m below Top of Culvert)				Hwm not visible.				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading				Stable				
Beavers (Y/N) No								
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :								

Structure Usage							
Last Now Explanation of Condition							
Channel General Rating	7	7					

		Maintenance Re	commenda	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	nents	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS				•					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No.(%)	ow) 77.8/77	.8 Sufficiency Rating (Last/N	low) 7	6.4/76.3	Est. Repl. Yr	2034 Maint. Re		qd. (Y/N)	No
Special Monitor settlement Comments for Next Inspection	in EBL and pipin	g at R516.		Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy			,						
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Russel Vanderschaaf Previous			Assistant's Name					
Next Inspection Date	03-Sep-2014		Previous Ir	spection Date	08-Mar-2011				
Inspection Cycle (Default) (months)	21								
Comment									