Bridge Culvert Inspection													
Bridge File Number 79551 -1 Bridge Culvert							Form Type			CUL1			
Year Built 1982						Lot No			2				
Bridge or Town Name DEBOLT							Inspector Name			Russel Vanderschaaf			
Located Over 3RD ORDER TRIBL				FRIBUTARY TO LITTLE			Inspector Class		BR CLS B				
		SMOKY	RIVER, 8.10.5				Assistant Name		BIX 020 B				
WATERCRS-ST Located On 676:02 C1 23.971						Assistant Class							
	N	676:02 C	71 23.971			Inspection Date			16-Sep-2010				
Water Body Cl.						Data Entry By			Theresa Lacus	sta			
Navigabil. Cl./Y		NIM SEC	22 TWD 74 D	CE 24 W	ENA			ntry Date					
			_C 33 1 W1 74 NGL 24 W3W				Reviewer Name		Arnold Assenheimer				
			8:32, 55:27:39					Review Date		29-Sep-2010			
Contract Main.	Aroa	CMA03	Tarisportation	(AII)			Dept. Reviewer Name		Steve Pasquai	n			
Clear Roadway			deg. (RHF)				Dept. Review Date		19-Nov-2010				
AADT/Year	JOREW	120 / 200					Follow-Up By						
Road Classifica	ntion	RCU-209											
			5-110										
Detour Length Bridge Culvert		13											
Number of Culv		iation 1											
Pipe #	Barrel		Span	Rise (or I	Dia)	Туре		Length		Corr. Profile	Pl./Slab	Shape	
т ъс н	Danci		эран	1130 (01 1	Dia.)	Турс		Longui		CONT. 1 TOILLE	Thickness	Опарс	
1	MAIN	1	724	1901		SPE		62.2		152X51	3.0	ELLIPSE	
Special Feature	es												
Special Feature	es Comi	ment											
					177			- 4)					
Litility Attacks	4-				Uti	ilities (L	ocated.	at)					
Utility Attachme	T						0						
Telephone	South					Gas							
Power Others	·						Munici		No				
Remarks							FIODIE	m (Y/N)	INO				
Remarks				Ar	pproac	ch Road	l / Emb	ankment					
								ation of (Condi	tion			
Horizontal Align	Horizontal Alignment				5	5	Curve on either side						
Vertical Alignm					6	6	Bottom of sag.						
Roadway Width (m) 9.000													
Embankment	4)				7	7	7						
Sideslope (•	3.0										
(Height of Co		: 6)											
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankmen	t General Rati	ing	5	5							
						Upstre							
Culvert Compo	onent				Last S	Now	⊨xplar	ation of (Jondi	tion			
Direction	(0	ata Ctaal	CTEEL		5								
End Treatment Others, None)	Concr	ete, Steel	SIEEL										
Headwall			Х	Х									
Collar					Х	X							
Wingwalls			X	X									
(Shape:)				·	1								
Cutoff Wall			Х	Х									

				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	400	6	6					
Heaving (mm)	100							
Invert Above/Below Stream Bed								
Above/Below (mm)	100							
Scour Protection		6	6					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		6	6					
Beavers (Y/N)	Yes			Dam on inlet (Photo)				
Upstream End General Rating		6	6					
		Bri	dge Cu	Ivert Barrel				
Culvert Component			Now					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm	n): 1724	I, Rise (mm): 1901, Type: SPE)				
Barrel Last Accessible Date	25-Feb-2004			Could only access R1-6 Water too deep - shape. Looks good.				
Special Features								
Special Feature								
(Type:)		·						
Special Feature								
(Type:)		<u> </u>						
Roof		7	6					
Measured Rise (mm)	1793							
Measured At Ring No.	5							
Sag (mm)	69							
Percent Sag	4							
Sidewall		7	6					
Measured Span (mm)	1901							
Measured At Ring No.	5							
Deflection (mm)	67							
Percent Deflection	4							
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		N	N					
Separation (mm)								
Longitudinal Seams		N	N	(Side seams OK.Bottom seams not visible d/s 1/2 2004/02/05)				
Total No. of Cracked Rings								
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		5	5	Superficial rust 1.0m wide strip.				
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							

79551 -1 Bridge Culvert

		Brid	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm		•
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	Beaver dam u/s blocking inlet
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			Small size
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		7	6	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		Water to 750 below crown.
End Treatment (Concrete, Steel, Others, None)				No evident problem.
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)			1	
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	30			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm):)			1	
Scour/Erosion		7	7	
Beavers (Y/N)	Yes			50m d/s of culvert
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Alignment				FOM D/C and an inlet 20m LI/C
Bank Stability		7	7	50M D/S and on inlet, 30m U/S.
HWM (m below Top of Culvert)				HWM not visible
	No			
Channel Bottom	DEGRADING			50M D/S and on inlet, 30m U/S.
Wingwalls (Shape:) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type: NATURAL) (Avg. Rock Size(mm):) Scour/Erosion Beavers (Y/N) Yes Downstream End General Rating Channel (U/S and D/S) Alignment Bank Stability HWM (m below Top of Culvert) Drift (Y/N) No				1
·				1
		7	7	

Inspector Recommendations Year Inspector Comments Department Comments Target Year Est. Cost Cat # SHOTCRETE REPAIRS			Maintenance F	Recommendations					
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER	Inspector Recommendations	Year			nments		Target Year	Est. Cost	Cat #
PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER	<u>'</u>	1 00.1	mapaga comment				Taiget Tear		- July
REMOVE DRIFT ACCUMULATION INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACT									
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTIO	REMOVE DRIFT ACCUMULATION								
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTIO		i							
REPAIR SEAMS OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection Date Inspection Date Inspection Cycle (Default) (months) 2010 Remove beaver dam from inlet. Department Comments Department Comments Date Estimated Total O Previous Assistant's Name Next Inspection Date 16-Dec-2013 Previous Inspection Date 28-May-2007 Inspection Cycle (Default) (months) 39	INSTALL STRUTS								
OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) T7.8/66.7 Sufficiency Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspector's Name Previous Inspection Date Inspection Cycle (Default) (months) Remove beaver dam from inlet. Sequence of the server dam from inlet. Department Comments Department Comments Estimated Total O Previous Assistant's Name Previous Inspection Date Inspection Cycle (Default) (months) 39	INSTALL CONCRETE COLLAR/CUTO	OFF							
OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection Date Inspection Date Inspection Cycle (Default) (months) Sufficiency Rating (Last/Now) (%) 70.5/65.5 Est. Repl. Yr 2029 Maint. Reqd. (Y/N) Yes Department Comments Department Comments Department Comments Previous Assistant's Name Previous Inspection Date 16-Dec-2013 Previous Inspection Date 16-Dec-2013 Previous Inspection Date 18-Dec-2017 Previous Inspection Date 18-Dec-2017 Previous Inspection Date 18-Dec-2018 Previous Inspection Date 18-Dec-2018 Previous Inspection Date 18-Dec-2019 Previous Inspection Date	REPAIR SEAMS								
OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months) Inspection Cycle (Default) (months) Inspection Cycle (Default) (months) Sufficiency Rating (Last/Now) (%) Possible Total Total Department Comments Department Comments Department Comments Department Comments Previous Assistant's Name Previous Inspection Date Inspection Cycle (Default) (months) Inspection Cycle (Default) (months)	OTHER ACTION	2010	Remove beaver dam from inlet.						
Structural Condition Rating (Last/Now) 77.8/66.7 Sufficiency Rating (Last/Now) 70.5/65.5 Est. Repl. Yr 2029 Maint. Reqd. (Y/N) Yes Special Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Eric Carcoux Previous Assistant's Name Next Inspection Date 16-Dec-2013 Previous Inspection Date 28-May-2007 Inspection Cycle (Default) (months) 39	OTHER ACTION								
Structural Condition Rating (Last/Now) 77.8/66.7 Sufficiency Rating (Last/Now) (%) 70.5/65.5 Est. Repl. Yr 2029 Maint. Reqd. (Y/N) Yes Special Comments for Next Inspection Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Eric Carcoux Previous Assistant's Name Next Inspection Date 16-Dec-2013 Previous Inspection Date 28-May-2007 Inspection Cycle (Default) (months) 39	OTHER ACTION								
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date If-Dec-2013 Inspection Cycle (Default) (months) Department Comments Department Comments Department Comments Pestimated Total Previous Assistant's Name Estimated Total Previous Assistant's Name Previous Inspection Date	OTHER ACTION								
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Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months) Proposed Long-Term Strategy Previous Inspection Date Previous Assistant's Name Previous Inspection Date	Special Comments for Next Inspection			Department Comments					
On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Eric Carcoux Previous Assistant's Name Next Inspection Date Inspection Cycle (Default) (months) 39	Maintenance Reviewed By			Date		E	stimated Tota	I 0	
Previous Inspector's Name Eric Carcoux Previous Assistant's Name Next Inspection Date 16-Dec-2013 Previous Inspection Date 28-May-2007 Inspection Cycle (Default) (months) 39	Proposed Long-Term Strategy								
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Inspection Cycle (Default) (months) 39	Previous Inspector's Name	Eric Carcoux		Previous Assistant's Name					
Inspection Cycle (Default) (months) 39	Next Inspection Date	16-Dec-2013		Previous Inspection Date	28-May-2007	,			
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