					Bridg	e Culve	ert Insp	ection						
Bridge File Nur	nber	73016	-1 Bridge Culve	rt			Form 7	Гуре		CUL1				
Year Built 1910							Lot No			1				
Bridge or Town Name ELKWATER							Inspector Name			Jason Rusu				
Located Over		TRIBU' WATER	TARY TO THEL RCRS-ST	MA CRE	EK, 26	.5.1,	Inspector Class Assistant Name		BR CLS A					
Located On		41:03 (	C1 25.578				Assistant Class							
Water Body Cl./Year										44 lan 2042				
Navigabil. Cl./Y							Inspection Date			14-Jan-2012 Anne Roberts				
Legal Land Loc		SW SE	C 18 TWP 7 RC	3E 2 W4N	Л		Data Entry By							
Longitude, Latit	tude	-110:15	5:52, 49:33:32				Data Entry Date			29-Feb-2012				
Road Authority			Transportation		Reviewer Name Review Date			Garry Roberts 23-Jan-2012						
Contract Main.		CMA23	·					Tim Davies						
Clear Roadway	/Skew	8.2 / 40	deg. (RHF)							11-Mar-2012				
Clear Roadway/Skew 8.2 / 40 de AADT/Year 280 / 2010		010 (A)					Review Da	ale	11-Mai-2012					
AADT/Year 280 /		RAU-20	09-110				Follow-Up By							
Detour Length	(km)	3												
Bridge Culvert	Inform	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	pan Rise (or E		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1500		MP		19.8		68X13		ROUND		
Special Feature	es Comi	ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents													
Telephone	West	Row					Gas							
Power							Munici	pal						
Others							Proble	m (Y/N)	No					
Remarks				Α.		l Dan	l / East							
				Α	Last	Now		ankment nation of	Condi	tion				
Horizontal Align	nment				9	9	LAPIAI	iation or	Conai	ш				
Vertical Alignm					7	7	-							
Roadway Width			8.200											
Troduitay Tridii	- (,		0.200											
Embankment					6	6	1:1 OV	ER PIPE						
Sideslope (			3.0											
(Height of Co		1.4)												
Guardrail (Y/N)			No											
Approach Roa	id / Eml	bankme	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion				
Direction					E									
End Treatment Others, None)	(Concre	ete, Stee	el, NONE											
Headwall					Х	X								
Collar		Х	X											
Wingwalls		Х	Х											
(Shape: )														
Cutoff Wall			Х	X										

			Unstre	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		X	X						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	350			-					
Scour Protection	1000	4	5	EROSION 400 mm WIDE BY 400 LONG @ SIDES OF PIPE. Grass					
(Type: RIP RAP)		-		growing in seams, ok.					
(Avg. Rock Size(mm) : <b>250</b> )				ROCK GOOD @ BANKS & STREAMBED					
Scour/Erosion		4	5						
GCGGI/E1GSIGII	_								
Beavers (Y/N)	No								
Upstream End General Rating		4	5						
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sec			, Rise (mm): 1500, Type: MP)					
Barrel Last Accessible Date	07-Aug-2010	arr (11111)	· <i>)</i> ·						
Barrei Last Accessible Date	07-Aug-2010			Snow covered - deep - inaccessible					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		3	N	(10% sag- 22mm change in sag from previous inspection (CSP					
Measured Rise (mm)	1355			section 6 from U/S) 7 Aug 2010 PR 3					
Measured At Ring No.	6								
Sag (mm)	145								
Percent Sag	10								
Sidewall		3	N	(11% deflection) 7 Aug 2010					
Measured Span (mm)	1665			PR 3					
Measured At Ring No.	6								
Deflection (mm)	165								
Percent Deflection	11								
Floor		4	N	(Corrosion on floor) 7 Aug 2010					
Bulge (mm)	0			PR 4					
Measured At Ring No.	2								
Abrasion (Y/N)	No								
Circumferential Seams		6	N	PR 6					
Separation (mm)	50								
Longitudinal Seams		Х	N	(RIVETTED CSP) 7 Aug 2010					
Total No. of Cracked Rings	0	-		_ (					
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0								
` ,									
Proper Lap (Y/N)  Longitudinal Stagger (Y/N)									
		A	l NI	(CORROCIONI MITH COME DITTING ON EL COR.) 7 Avec 2010					
Coating  Correction By Sail (V/N)	No	4	N	(CORROSION WITH SOME PITTING ON FLOOR.) 7 Aug 2010					
Corrosion By Soil (Y/N)	No			-					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

		Bric	lge Cu	lvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1500, Type: MP)						
Fish Passage Adequacy		X	X							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		6	N							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating		3	3	GR carried forward						
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		W								
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		X	X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		Х	Х							
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection		5	5	300 mm DP SCOUR OFF END HAS SOME ROCK IN SCOUR						
(Type : <b>RIP RAP</b> )				HOLE - not a problem						
(Avg. Rock Size(mm): 300)										
Scour/Erosion		5	5							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	5	5							
		s	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		5	5							
Bank Stability		5	N							
HWM (m below Top of Culvert)				HWM not visible						
Drift (Y/N) No										
Channel Bottom AGGRADING Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NONE)	5								
Channel General Rating			5							

				Mainte	nance Rec	ommend	lations						
Inspector Recommendations		Year	ear Inspector Comments			Department Comments					Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTOFF													
REPAIR SEAMS													
OTHER ACTION		2012	Assess f	or replacement or	possible SV	V steel							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/N (%)	low)	w) 33.3/33.3 Sufficiency Rating (La		ng (Last/No	ow)	48.3/58.6	Es	t. Repl. Yr	2013	Maint. R	eqd. (Y/N)	Yes	
Special Monitor deflections Comments for Next Inspection	. Appear	stable s	ince 2006	inspection (GR Au	ug 7 2010)		Department Comments						
Maintenance Reviewed By							Date			E	Stimated Tot	al 0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Jac		Jason Rusu Previo					ous Assistant's Name						
Next Inspection Date 14		14-Oct-2013 Previous Inspection Da							07-Aug-2010				
Inspection Cycle (Default) (months)	21												
Comment													