Bridge Culvert Inspection														
Bridge File Number 01875 -1 Bridge Culvert							Form T			CUL1				
Year Built 1961							Lot No.			2				
Bridge or Town Name TORRI			RRINGTON				Inspector Name			Owen Salava				
							· · · · · · · · · · · · · · · · · · ·			BR CLS A				
Located On 27:08 C1							Assistant Name							
Water Body CI./					Assistant Class									
Navigabil. Cl./Ye					Inspection Date			24-Oct-2012						
			4 TWP 33 RG					Marcia Chavez						
								ntry Date		08-Nov-2012				
								ver Name		John O'Brien				
Contract Main. Area CMA29								/ Date		29-Oct-2012				
Clear Roadway/Skew 11 /								Reviewer	Name	Andrew Smikles				
			011 (A)				Dept. Review Date			13-Nov-2012				
Road Classificati	ion	RAU-211					Follow-Up By							
Detour Length (k		6												
Bridge Culvert I		-								· · · · · · · · · · · · · · · · · · ·				
Number of Culve		1												
	Barrel	Span Rise (or		Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1 N	MAIN	3	187	3522	3522			87.2		152X51	3.0	ELLIPSE		
Special Features	S													
Special Features Comment														
					Uti	lities (L	ocated	at)						
Utility Attachmer									1					
Telephone	South	slope, No	orth of D/S end		Gas									
Power							Municipal							
Others					Prol			Problem (Y/N) No						
Remarks														
				Ар				ankment		•				
				Last	Now	Explanation of Condition								
Horizontal Alignr				8	8	Steep	Steep grades (6%).							
Vertical Alignment		44.000	5	5										
	Roadway Width (m)		11.000	1.000										
Embankment				5 5		Some erosion on north bank and cattle action adjacent to north bevel.								
Sideslope (:			3.0					– Well vegetated.						
(Height of Cover(m) : 9.7)														
Guardrail (Y/N)			Yes											
Approach Road	l / Emb	bankment	t General Rat	ing	5	5								
							am End							
Culvert Component				Last Now		Explanation of Condition								
Direction End Treatment (Concrete, Steel,		STEEL		N		-								
Others, None)				V	v									
Headwall			X	X										
Collar				Х	X									
Wingwalls			Х	Х										
(Shape :)	(Shape :)													
Cutoff Wall				Х	X									

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	1	1	Upstre	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	7	-					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	50								
Scour Protection		N	5	Starting to crumble 0.8 m above invert elevation.					
(Type : CONCRETE)									
(Avg. Rock Size(mm) : 300)		1							
Scour/Erosion		N	5	Cattle action around top of pipe.					
Beavers (Y/N)	No								
Upstream End General Rating		5	5						
		Brid	d <u>ge Cu</u>	lvert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 3187	, Rise (mm): 3522, Type: SPE)					
Barrel Last Accessible Date	24-Oct-2012								
Special Features									
Special Feature									
(Type :)									
Special Feature									
(Type :)									
Roof		8	8	(2550 riss @ 1/4L_2540 riss @ mid_07 aug 2005) Upable to					
	2550	0	0	(3550 rise @ 1/4L, 3540 rise @ mid. 07-aug-2005). Unable to measure					
Measured Rise (mm)	3550			due to ice. (At mid span. 22Sep2009).					
Measured At Ring No.	20								
Sag (mm)	28			(Upwards. 07Aug2005). (0.8%. 07Aug2005).					
Percent Sag		0	0	(0.070: 077/ug2000).					
Sidewall	0040	8	8						
Measured Span (mm)	3210								
Measured At Ring No.	8								
Deflection (mm)	23			0.7%					
Percent Deflection	1								
Floor	-	N	N	(Scaling - photo. 22Sep2009). Ice covered.					
Bulge (mm)	0			-					
Measured At Ring No.				-					
Abrasion (Y/N)	No								
Circumferential Seams	-	8	8						
Separation (mm)	0								
Longitudinal Seams		7	7						
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	Yes								
Coating		4	4	(Scaling & some pitting @ floor U/S - photo. 22Sep2009). Rust					
Corrosion By Soil (Y/N)	Yes			through 10 o'clock seam @ U/S.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

				vert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 3522, Type: SPE)						
Fish Passage Adequacy		7	7							
Baffle		X	Х							
(Туре :)										
Waterway Adequacy		8 8								
Icing (Y/N)	No			Minor, small logs & concrete bags washed into barrel.						
Silting (Y/N)	No									
Drift (Y/N)										
Barrel General Rating		7	7							
Oschward Oscillar an and				ream End						
Culvert Component			Now	Explanation of Condition						
Direction	OTEEL	S								
End Treatment (Concrete, Steel, Others, None)	SIEEL									
Headwall		Х	Х							
Collar		X	X							
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall		X	Х							
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 0										
Scour Protection		N	5	Concrete deteriorating along bottom 1/4 dia.						
(Type : CONCRETE)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	5							
Beavers (Y/N)	No									
Downstream End General Rati	าต	5	5							
	.9									
				re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		5	1							
Alignment			5	90 degree cut bank @ SW. Downstream channel at 30 degree from pipe.						
Bank Stability		5	5	Scour at D/S encroaching on farmers field along west bank. Scour stable - no change 10 years.						
HWM (m below Top of Culvert)	1.5			(20/Feb/2008) HWM not visible.						
Drift (Y/N)	No									
Channel Bottom DEGRADING										
Degrading/Aggrading Beavers (Y/N) No										
(Fish Compensation Measure 1 :	-									
(Fish Compensation Measure 2 :										
Channel General Rating		5	5							
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Maintenance Recommendations													
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/CUTC)FF												
REPAIR SEAMS													
OTHER ACTION		2013	Consider concrete floor.										
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow)	77.8/77.8		Sufficiency Rating (Last/Now) (%)		7	73.3/73.3		st. Repl. Yr 2023		Maint. Reqd. (Y/N)		Yes
Special Comments for Next Inspection					Department Comments								
Maintenance Reviewed By							Date			E	Estimated Tota	I 0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Ov		Owen Salava Pre				evious Assistant's Name							
Next Inspection Date 24		24-Jul-2014 Previou					s Inspection Date 08-Feb-2011						
Inspection Cycle (Default) (months) 21													
Comment													