Bridge Culvert Inspection														
Bridge File Num	ber	74008 -1 Bridge Culvert					Form Type		CUL1					
Year Built		1985					Lot No.		4					
Bridge or Town Name TRIANGLE						Inspec	tor Name		Brian Pientsch					
Located Over TRIBUTARY TO LITTLE SMOK 8.10.58.7.16, WATERCRS-ST			Y RIVI	ΞR,	Inspector Class			BR CLS A						
Located On 747:02 C1 21.647			JR3-31			Assistant Name			Lisbeth Medina	a				
Water Body Cl./Year							ant Class							
Navigabil. Cl./Ye								Inspection Date 30-						
Legal Land Loca		NW SE	C 28 TWP 72 F	2GF 19 W	/5M			ntry By		Theresa Lacusta				
Longitude, Latitu			2:23, 55:16:20	COL 13 VI	JIVI		Data Entry Date 03-Jan-2011							
Road Authority				(ΔΙΤ)			Reviewer Name Review Date			Arnold Assenheimer				
Contract Main. A		CMA06		-						20-Dec-2010				
Clear Roadway/		10 /	,				Dept. Reviewer Name				1			
AADT/Year			009 (A)					Review Da	ate	31-Mar-2011				
Road Classificat		RCU-2					Follow	-Up By						
Detour Length (I		26					-							
Bridge Culvert														
Number of Culve			1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1829		SP		61.6		152X51	3.0	ROUND		
Special Features	1020					01.0			,	10.0	1.100.12			
Special Features		nent												
·														
					Uti	ilities (L	ocated	at)						
Utility Attachmer	T .													
Telephone 15m along West ditch.							Gas							
Power					Municipal Problem (Y/N) No									
Others							Proble	m (Y/N)	No					
Remarks				Λ.	aproo	oh Boos	l / Emb	ankment						
				A	Last	Now			Condi	tion				
Horizontal Aligni	ment				8	8	Explanation of Condition In gentle sag curve, passing both							
Vertical Alignme					7	7	directions.							
Roadway Width (m) 10.000														
Embankment	4)		5.0		7	7								
Sideslope (:		-\	5.0				_							
(Height of Cov	er(m):	5)												
Guardrail (Y/N)			No			_								
Approach Road	d / Emb	ankme	ent General Rat	ing	7	7								
						Upstre	am Enc							
Culvert Component			Last	Now	Explar	nation of	Condi	tion						
Direction		E												
End Treatment (Concrete, Steel, Others, None)														
Headwall		Х	Х											
Collar			Х	Х										
Wingwalls			Х	X										
(Shape:)														
Cutoff Wall					X	X								

74008 -1 Bridge Culvert

			Unstra	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	<u> </u>	N	7	South side pushing in approx 200mm.
Heaving (mm)		- 1		Goddin Side pashing in approx 200min.
Invert Above/Below Stream Bed	BELOW			(92/04/27)
Above/Below (mm)	300			(62/6 1/21)
Scour Protection	000	N	7	Rock along sides of bevel and top of culvert only-seams to be placed
(Type : RIP RAP)				to control previous erosion along sides of bevel.
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		N	7	
00041/21001011				
Beavers (Y/N)	No			
Unatroom End Conoral Bating		0	7	
Upstream End General Rating		8	′	
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Sp	an (mm	n):	, Rise (mm): 1829, Type: SP)
Barrel Last Accessible Date	14-Dec-2001			Chang of harrel looks and switch as vicinized from vicinized
				Shape of barrel looks adequate as viewed from u/s end.
				Thin ice -600mm to crown from 2nd ring.
Special Features			1	
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall	ı	6	6	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor	ı	N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		N	N	
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, bottom half, above
Corrosion By Soil (Y/N)				ice line.) Viewed from ends.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Bric	dge Cu	Ivert Barrel
Culvert Component (Pipe # : 1, Primary Span, Location Code: MAIN, Spinoling (Y/N) Fish Passage Adequacy Baffle (Type :) Waterway Adequacy Icing (Y/N) Silting (Y/N) Drift (Y/N) Passage Rating Culvert Component Direction End Treatment (Concrete, Steel, NONE Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 400) Scour/Erosion		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1829, Type: SP)
Ponding (Y/N)	No			
Fish Passage Adequacy		4	5	
Baffle		N	N	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			Minor drift at the u/s end.
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		6	N	GR 6-24-Jul-2007
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		X	X	
(Shape:)			1	
Cutoff Wall		Х	X	
Bevel End		N	7	Rated based on 50% visibility.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
` ,	700		1	
		8	7	
			1 _	
Scour/Erosion		8	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	7	
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		1	1	
Alignment		7	7	
Bank Stability		7	6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) Yes				Minor drift at u/s invert.
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·			
(Fish Compensation Measure 2 :	NONE)	7		
Channel General Rating			7	

Structure Usage							
	L	ast	Now	Explanation of Condition			
•							

		Maintenanc	e Recommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							3		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 66.7/55	.6 Sufficiency Rating (L (%)	ast/Now)	65.3/65.1	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
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	Brian Pientsch		Previous	Assistant's Name	Tim Miskimar	1			
Next Inspection Date	28-Feb-2014		Previous	nspection Date	24-Jul-2007				
Inspection Cycle (Default) (months)	39				,				
Comment									