Bridge Culvert Inspection															
Bridge File Number 77309 -1 Bridge Culvert					Billeg	C Guive	Form Type			CUL1					
Year Built 1982						Lot No.		2							
Bridge or Town Name WHITEMUD CRE						Inspector Name		Brian Pientsch							
Located Over	INAIIIC		O ORDER TRIBUTARY TO LITTLE				Inspector Class			BR CLS A					
Localed Over		SMOKY	OKY DIVED 9 10 59 7 1 2 WATEDODG							Lisbeth Medina					
ST 676:04 C1 0 400							Assistant Name Assistant Class		Lisbeth Medin	<u>a</u>					
Located On 676:04 C1 0.499										02 Feb 2011					
Water Body Cl./Year					Inspection Date Data Entry By				02-Feb-2011 Theresa Lacusta						
Navigabil. Cl./Year										01-Mar-2011					
Legal Land Location SW SEC 6			COTVITATION 23 VISIVI					ntry Date							
Longitude, Latitude -117:33			33:47, 55:27:42					er Name		Arnold Assenheimer					
			a Transportation (ATT)					/ Date		22-Feb-2011					
Contract Main.	Area	CMA03					Dept. Reviewer Name Dept. Review Date		· ·	n					
Clear Roadway	/Skew	9 / -6 de	deg. (LHF)						ate	21-Nov-2011					
AADT/Year		180 / 20	2010 (A)				Follow-Up By								
Road Classifica	ation	RCU-20	9-110												
Detour Length	(km)	6													
Bridge Culvert	Inform	ation													
Number of Culv	/erts		1												
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN	-	-	2400		MP		27		75X25	2.8	ROUND			
Special Feature	es														
Special Feature	es Comi	ment													
·															
					Uti	ilities (L	ocated	at)							
Utility Attachme	T .						I		I						
Telephone South r/w							Gas								
Power	15m r	north of c/I - 1 wire OH					Munici								
Others							Proble	m (Y/N)	No						
Remarks															
								ankment	Candi	tion					
Harizantal Alian	mont				7	7	Explanation of Condition								
Horizontal Alignment			8	8											
Vertical Alignment		9.000		0	0										
Roadway Width (m)			9.000												
Embankment			_	4	4	SW ditch scour 1.3m x 3m x .75m - filled with drift23-Oct-2007									
Sideslope (_:1)		4.0			-	1								
(Height of Co		1.8)					1								
	Guardrail (Y/N) No														
Approach Roa	ıd / Eml	bankmen	nt General Rat	ing	7	7									
Culvert Com	onest					Upstre			Condi	ion					
Culvert Compo	Juent				Last S	Now	⊏xpiar	ation of	Conai	lion					
End Treatment	(Concre	ete, Steel	I, CONCRETE		<u>ა</u>		_								
Others, None) Headwall					7	7									
							11								
Collar			7	N	Under	SNOW									
Wingwalls			Х	X											
(Shape:)															
Cutoff Wall					N	N									

77309 -1 Bridge Culvert

			Linetre	eam End
Culvert Component				Explanation of Condition
Culvert Component Bevel End		Last 6	Now N	Bevel under snow
	0	0	IN	Bever under snow
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			_
Above/Below (mm)	150		Ι	
Scour Protection		6	N	Under snow
(Type : RIP RAP)				_
(Avg. Rock Size(mm) : 400)			1	
Scour/Erosion		6	N	Under snow
Beavers (Y/N)	No			
Upstream End General Rating		6	6	GR carried fwd.
		Bri	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN,	Span (mm	1):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	23-Oct-2007			Couldn't be inspected, 0.6m ice level to crown.
Special Features				
Special Feature				
(Type:)				
Special Feature				-
(Type:)		<u> </u>		
Roof		4	N	@ c.l23-Oct-2007
	2220	4	IN	_ @ C.I23-OCI-2007
Measured At Biog No.	2220			
Measured At Ring No.	400			_
Sag (mm)	180			_
Percent Sag	8		1	
Sidewall	I	4	N	50 MM DENT IN WEST SIDEWALL FROM TIME OF CONSTRUCTION23-Oct-2007
Measured Span (mm)	2595			
Measured At Ring No.				@ c.l23-Oct-2007
Deflection (mm)	195			
Percent Deflection	8			
Floor		7	N	@ c.l23-Oct-2007
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		5	N	
Separation (mm)	70			
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)				
				1
Longitudinal Stagger (Y/N)				Our official most become this 1,000 Our confined
Coating		5	N	Superficial rust lower third23-Oct-2007
Corrosion By Soil (Y/N)	No			_
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	No			

		Bric	lge Cu	lvert Barrel						
Culvert Component		Last Now		Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2400, Type: MP)						
Fish Passage Adequacy		3	3	Outlet above S.B23-Oct-2007						
Baffle		X	X							
(Type:)										
Waterway Adequacy		4	N	Drift on inlet23-Oct-2007						
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		4	4	GR carried forward.						
				ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	NONE	N		D/S end completely submerged in snow.						
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		Х	X							
Collar			X							
Wingwalls		X	X							
(Shape:)										
Cutoff Wall		Х	X							
Bevel End			N	Bevel unsupported for 1000mm23-Oct-2007						
Heaving (mm) 60				Under snow						
Invert Above/Below Stream Bed ABOVE				Scour hole 8m x 4m x 0.8m (photo)23-Oct-2007						
Above/Below (mm)	800			Under snow						
Scour Protection		3	N							
(Type:)										
(Avg. Rock Size(mm):)										
Scour/Erosion		3	N	Scour hole23-Oct-2007 Under snow						
Beavers (Y/N)	No									
Downstream End General Rating			3	GR carried forward.						
		s	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		6	6							
				Banks sloughing						
Bank Stability			5							
HWM (m below Top of Culvert)	-1.8			(Road overtopped 1996, 1997)-23-Oct-2007						
Drift (Y/N) No				(1.000 07010ppou 1000, 1007) 20 001 2007						
Channel Bottom DEGRADING										
Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NUNE)									
Channel General Rating		5	6							

				Maintenanc	e Recommen	dations						
Inspector Recommendations			ear Inspector Comments			Department Comments					Est. Cost	Cat #
SHOTCRETE RE		100.	opooto			2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				Target Year		July 11
PLACE ADDITIONAL RIP RAP		2011	D/S end.	23-Oct-2007								
REMOVE DRIFT ACCUMULATION			2,0 0									
INSTALL CONCRETE/STEEL LINING		3										
INSTALL STRUTS												
INSTALL CONCR	ETE COLLAR/CUT	OFF										
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condi	ow) 44.4/4	44.4/44.4 Sufficiency Rating (Laste		ast/Now)	39.8/56.0 Est. Repl. Yr 2027		2027	Maint. Re	eqd. (Y/N)	Yes		
Special Comments for Next Inspection Monitor d/s scour, monitor deflection23-Oct-2007 Couldn't confirm if above maintenance was completed due to snow cover.					over.	Department Comments						
Maintenance Reviewed By						Date				Estimated Tota	I 0	
Proposed Long-To												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Eric 0		Eric Carcoux	Eric Carcoux F			us Assistant's Name						
Next Inspection D	ate	02-May-2014	02-May-2014 P			ous Inspection Date 23-Oct-2007						
		39			'	•						
Comment	, ()											