					Brida	e Culve	ert Inspe	ection						
Bridge File Nu	mber	09812 -1 Bridge Culvert			Dillag					CUL1				
Year Built 1975						Lot No.		1						
Bridge or Town Name ACME								or Name		Owen Salava				
Located Over			RDER TRIBUT	ARY TO K	NEEH	HILLS	<del> </del>	Inspector Class BR CLS A						
			CREEK, 3.46.17.1, WATERCRS-ST					Assistant Name						
Located On		575:02	C1 22.772				Assistant Class							
Water Body Cl./Year						Inspection Date			25-Jan-2011					
Navigabil. Cl./Year								Data Entry By		Marcia Chavez				
3		30 TWP 29 RGE 25 W4M				Data Entry Date		03-Mar-2011						
		9:52, 51:30:12				Reviewer Name		John O'Brien						
-		Transportation (AIT)				Review Date		03-Feb-2011						
Contract Main. Area CMA20			)						Dept. Reviewer Name Chris Black					
Clear Roadway	y/Skew	10.3 /						Dept. Review Date		07-Mar-2011				
AADT/Year		1,090 /	/ 2009 (A)				Follow-Up By							
Road Classific	ation	RCU-2	209-110				. 5.15.11 5p by							
Detour Length		6												
Bridge Culver		nation												
Number of Cul			1	1		I				I				
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		2610	2877		SPE		37.8		152X51	3.0	ELLIPSE		
Special Featur			2010	2011		O. L	31.0		102/101		LEEN OF			
Special Featur		ment	5% vertical ell	inse										
Openial Featur	00 001111		o 70 Vortioai on	iipoo.										
					Ut	ilities (L	ocated	at)						
Utility Attachm	ents													
Telephone South side.						Gas								
Power 4 wire o/h N r.o.w.							Municip							
Others							Probler	n (Y/N)	No					
Remarks														
				Ap				/ Embankment						
							Explanation of Condition Structure located directly							
Horizontal Alignment  Vertical Alignment				7	7	Structure located directly W of T intersection to golf. Flat & straight - T intersection 20m E - coming from the South.								
					,		20m E	- coming	from th	he South.				
Roadway Widt	th (m)		10.300											
Embankment					7	7								
Sideslope (_	·1)		3.3			,								
(Height of Co		2.5)	0.0		l									
Guardrail (Y/N		,	No											
- Cuaranan (1711	,													
Approach Roa	ad / Eml	bankme	nt General Ra	iting	7	7								
						Unetro	am End							
Culvert Comp	onent				Last	Now		ation of (	Condi	tion				
Direction			S				ul							
End Treatment Others, None)	t (Concr	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar					X	Х								
Wingwalls			Х	Х										
(Shape: )														
Cutoff Wall				Х	X									
55.511 Truii							1							

			Unctro	om End				
Culvert Component		Last	Now	am End Explanation of Condition				
Bevel End	<u> </u>	5	5	Coating is wearing off & hole on side				
	200	3	<u> </u>	plate on West side. (Minor rust).				
Heaving (mm) Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100	4	l NI	Craw as was d				
Scour Protection		4	N	Snow covered.				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : <b>300</b> )			I	(4) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Scour/Erosion		4	N	(Needs clay seal-starting to undermine. 20Feb2008).				
Beavers (Y/N)	No							
Upstream End General Rating		4	4	GR carried forward from 20Feb2008.				
		Brid	dae Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. S			· · ·				
Barrel Last Accessible Date	25-Jan-2011	- (min	,. <u>_</u>	4-9N plates/ring.				
Daniel Last Accessible Date	20-0an-2011			T SIT Plates/Illig.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		N	6	(Avg rise @ ends 2870mm.				
Measured Rise (mm)	2790			Rise @ mid culvert 2790mm. 04Oct2004). Was not able to measure rise due to snow on floor.				
Measured At Ring No.				inse due to snow on noor.				
Sag (mm)	87							
Percent Sag	3							
Sidewall	1 -	6	3	Hole in side R2 at 9co'clock (photo). Avg span @ ends 2615mm.				
Measured Span (mm)	2726			There in slate N2 at 555 slook (photo). Any spain S sinds 25 forming				
Measured At Ring No.	6							
Deflection (mm)	116			4.4%				
Percent Deflection	4							
	4	N	l NI	/2 425mm elite rusting 50mm eilt				
Floor	0	N	N	(2 - 125mm slits rusting. 50mm slit, rocks in barrel near D/S end. 04Oct2004). Iced over.				
Bulge (mm)	0							
Measured At Ring No.	No							
Abrasion (Y/N)	INU	-	-					
Circumferential Seams	0	7	7					
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)	No							
Coating		5	3	R2 perforation (photo).				
Corrosion By Soil (Y/N)	Yes							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							

		Bric	ige Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 2610	, Rise (mm): 2877, Type: SPE)
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type : )				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	3	Perforation.
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		N	6	(Rocks on floor of bevel end. 04Oct2004). Minor rust.
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		N	N	(Rock 300 to 400mm below sloping edge of bevel. 04Oct2004).
(Type : )				Snow covered.
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)			1	
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

		Maintenance	Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	}								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION	2011	Repair hole in sidewall, weld on p	late.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 66.7/3	66.7/33.3 Sufficiency Rating (Last/		67.6/51.8	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection Repairs hidden by	snow. Assumed	I to be done due to silt fence at inlet/	outlet.	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	Bryan Wai		Assistant's Name						
Next Inspection Date	25-Apr-2014 F			Previous Inspection Date 20-Feb-2008					
Inspection Cycle (Default) (months)	39								
Comment									