					Bride	e Culve	art Insp	ection					
				Billag	e Cuive				CUL1				
Bridge File Number 00466 -1 Bridge Culvert Year Built 1992					Form Type Lot No.			4					
Bridge or Town Name CARDST							Inspector Name			Jason Rusu			
								Inspector Class BR CLS A					
ST ST		TON CREEK, 2.12.22.12, WATERCRS-			Assistant Name		DICOLO A						
Located On 5:02 C1 36.134			36.134				Assistant Class						
Water Body Cl./Year							nspection Date 28-Oct-2011						
Navigabil. Cl./Y	ear						Data Entry By		Alyssa Boynton				
Legal Land Loc	ation	NE SEC	2 12 TWP 3 RGE 26 W4M				Data Entry Date		21-Nov-2011				
		2:13, 49:12:09				Reviewer Name		Garry Roberts					
		Transportation (AIT)				Review Date		09-Nov-2011					
Contract Main. Area CMA25			·				Dept. Reviewer Name						
Clear Roadway	/Skew	12.6 / -3	-35 deg. (LHF)				Dept. Reviewer Name Dept. Review Date		25-Nov-2011				
AADT/Year		1,290 /	2010 (A)				Follow-Up By						
Road Classifica	ition	RAU-21	3.4-120				I dilow-op by						
Detour Length ((km)	8											
Bridge Culvert		ation											
Number of Culv	erts		1	1						I			
Pipe #	Barrel		Span	Rise (or	Dia.)	Type		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN			2400		MD		70		75X25	2.8	ROUND	
Special Feature				2400 MP		IVII		10		73723	2.0	ROOND	
Special Feature		ment											
opedial i catale	,5 001111	TIOTIC											
					Uti	ilities (L	ocated	at)					
Utility Attachme	nts												
Telephone SOUTH DITCH					Gas								
Power	2 W 1	10 m SOUTH, 1, W CROSSES					Munici	Municipal					
Others ROAD 30 m WEST						Proble	m (Y/N)	10					
Remarks													
				Ap	_	_	1	/ Embankment					
11							Explanation of Condition						
Horizontal Alignment				7	7	Curve 150 m west. In sag curve.							
Vertical Alignment			6	6	Private	access at	SE.						
Roadway Width (m)		12.600											
Embanisment					6	5:1 on N. side.							
Embankment Sideslope (:1)		4.0		N 6		3							
(Height of Co		4 1)	4.0										
Guardrail (Y/N)	vor(III) .		No										
Approach Roa	d / Eml	oankmei	nt General Rat	ing	6	6							
						Unetro	am End						
Culvert Compo	nent				Last	Now		nation of C	ondi	tion			
Direction			S	IIIOII	SOUTI		onan						
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL										
Headwall				Х	Х								
Collar			Х	X									
Wingwalls			Х	X									
(Shape:)													
Cutoff Wall			Х	X									

				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	I	N	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	250							
Scour Protection		N	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)			_					
Scour/Erosion		N	7					
Beavers (Y/N)	No							
Upstream End General Rating		N	7					
		Brid	dge Cu	Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, S			, Rise (mm): 2400, Type: MP)				
Barrel Last Accessible Date	28-Oct-2011							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		8	8					
Measured Rise (mm)	2440	- 0	0					
` '	3			Upward.				
Measured At Ring No.	3							
Sag (mm)								
Percent Sag			Ι.					
Sidewall	1	8	8	inward				
Measured Span (mm)	2380							
Measured At Ring No.	1							
Deflection (mm)								
Percent Deflection								
Floor		N	5					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	Yes							
Circumferential Seams		6	6					
Separation (mm)	50							
Longitudinal Seams		Х	Х					
Total No. of Cracked Rings								
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating		5	5	Superficial corrosion @ haunches.				
Corrosion By Soil (Y/N)	No			1				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

		Bric	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2400, Type: MP)
Fish Passage Adequacy		6	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	8	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		NORTH
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				
(Shape :) Cutoff Wall		Х	Х	
Bevel End		N	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	500			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		1	1	
Alignment		5	5	45 DEG ANGLE 5 m D/S. CURVES @ U/S
Bank Stability		4	4	CUTBANKS AT BEND Immediately IN FRONT OF ROCK AND THROUGHOUT VALLEY. Cut bank @ d/s @ W
HWM (m below Top of Culvert)				None visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		4	4	

		Maintenai	nce Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 88.9/88	Sufficiency Rating (%)	(Last/Now)	74.2/78.4	Est. Repl. Yr	2036	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Jason Rusu		Previous	Assistant's Name					
Next Inspection Date	28-Jul-2013		Previous	Inspection Date	20-Dec-2009				
Inspection Cycle (Default) (months)	21								
Comment									