Bridge Culvert Inspection													
Bridge File Number 73432 -2 Bridge Culvert					Form Type			CUL1					
Year Built/Lined 1959/1998							Lot No.		2				
Bridge or Towr	n Name						Inspec	tor Name		Russel Vanderschaaf			
Located Over		TRIBUTA	TRIBUTARY TO SLIMS CREEK,				Inspector Class		BR CLS B				
			1.3.1.1, WATERCRS-ST			Assistant Name							
Located On	45.905				Assistant Class								
Water Body CI							Inspection Date		15-Nov-2011				
Navigabil. Cl./		014, 050	0 TMD 00 DC	NE 00 M/E			Data Entry By		Theresa Lacus	sta			
			0 8 TWP 96 RGE 22 W5M				Data Entry Date		13-Dec-2011				
,							Reviewer Name		Eric Carcoux				
			Transportation (AIT)				Review Date		12-Dec-2011				
Contract Main.		CMA04					Dept. Reviewer Name		Steve Pasquar	າ			
Clear Roadway	y/Skew	10.5 /					Dept. F	Dept. Review Date		11-Jan-2012			
AADT/Year	-4:	1,020 / 2	. ,				Follow	-Up By					
Road Classific		RAU-210	)-110				-						
Detour Length		ation											
Bridge Culver Number of Cul		1											
Pipe #	Barrel		Span	Rise (or I	Dio \ Tura a			Length		Corr. Profile	PI./Slab	Shape	
ripe #	Dallel		рран	Kise (oi i	Dia.)	Туре	Length		Con. Profile	Thickness	Shape		
2	MAIN F	-ULL -		1200		SSP		36				ROUND	
Special Featur	es							'			'		
Special Featur		ment											
					Uti	ilities (L	ocated	at)					
Utility Attachm													
Telephone							Gas						
Power	West	R/W - 2 rc			Munici		N.I						
Others Remarks							Proble	m (Y/N)	No				
Remarks				Δr	nroa	ch Road	l / Emb	ankment					
							Explanation of Condition						
Horizontal Alig	nment				7	6	Approach S.E corner						
Vertical Alignm					8	8	S.W curve 300m S.						
Roadway Widt	th (m)		10.500										
Embankment					7	7							
Sideslope (_	·1)		3.5		1	,	1						
(Height of Co		3.2)	0.0				1						
Guardrail (Y/N)		J.2)	No										
Approach Road / Embankment General Rating		ina	7	6									
- Approuoii 100	/ EIIII	-anningil	. Joneral Rat	ย									
Culvert Carr	0000						am End		No 10 - 11'4	lion			
Culvert Component				Last E	Now	East	nation of C	onait	IION				
End Treatment (Concrete, Steel,		STEEL		L		Lasi							
Others, None)				_									
Headwall				Х	X								
Collar			Х	Х									
Wingwalls			Х	Х									
(Shape: )						<u></u>							
Cutoff Wall			Χ	X									

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			Unetro	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	6	Explanation of Condition
Heaving (mm)	0	5	0	
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm) Scour Protection	200	4	N	Not visible under heaven dere and an out
		4   N		Not visible, under beaver dam and snow.
(Type : CONCRETE)				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		4	4	Scoured along S side @ toe of slope from 15m Scour due to beaver dam 1m u/s. (1m wide x 0.6m deep)
Beavers (Y/N)	Yes			1m from u/s invert.
Upstream End General Rating		4	4	
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (	mm):	, Rise (mm): 1200, Type: SSP)
Barrel Last Accessible Date				600mm from crown viewed from ends.  @ u/s and 500mm crown, viewed from d/s end.
Special Features				
Special Feature				Shape appears good. Viewed from ends.
(Type:)				Water not frozen due to beavers activity.
Special Feature				
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				1
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				1
Longitudinal Seams		Х	X	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	X	Staining, viewed from outside.
Corrosion By Soil (Y/N)	No			_
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
January Joyal House	0			

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		Brio	dge Cu	Ivert Barrel					
Culvert Component		1		Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: SSP)					
Ponding (Y/N)	No								
Fish Passage Adequacy			5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		4	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	Yes								
Barrel General Rating		N	N						
		D	ownstr	ream End					
Culvert Component		Last		Explanation of Condition					
Direction		W	111011	West					
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )									
Cutoff Wall		X	X						
Bevel End		Х	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		7	6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 150)			1						
Scour/Erosion		7	6						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	6						
		s	tructu	re Usage					
		Last		Explanation of Condition					
Channel (U/S and D/S)									
Alignment		6	4						
				Beaverdam causing water to come from South.					
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes									
Channel Bottom Degrading/Aggrading				Stable					
Beavers (Y/N)	Yes			U/S beaver dam 30m u/s 3m high across channel 1m u/s 2m high, redirecting flow along toe of slope 15m S of pipe.					
(Fish Compensation Measure 1 :	NONE)			J					
(Fish Compensation Measure 2 :				1					

Structure Usage									
Last Now Explanation of Condition									
Channel General Rating		6	4						

		Maintenance I	Recommen	dations					
Inspector Recommendations	Year Inspector Comments			Department Comr	nents	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	2012	Remove U/S dams.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/55	.6 Sufficiency Rating (Las	t/Now)	46.4/53.5	Est. Repl. Yr	2048	Maint. Re	qd. (Y/N)	Yes
Special Monitor scour @ u/ Comments for Next Inspection	s bevel end.			Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsch		Assistant's Name Lisbeth Medina						
Next Inspection Date	15-Aug-2013		Inspection Date	16-Feb-2010					
Inspection Cycle (Default) (months)	21								
Comment									