					Bridg	e Culve	ert Insp	ection							
Bridge File Num	ber	78177 -	-1 Bridge Culver	t			Form 7	уре		CUL1					
Year Built 1976						Lot No									
Bridge or Town Name MILLARVILLE						Inspec	Inspector Name Calvin R			vin Roberts					
Located Over TRIBUTAI			TARY TO POTHOLE CREEK, .2.9.4.1, WATERCRS-ST				Inspec	Inspector Class BR CLS B							
Located On 549:04 C1 0.752			NUNG-3	<u> </u>		Assistant Name									
							ant Class								
Water Body Cl./Year							Inspec	tion Date		09-Feb-2013					
Navigabil. Cl./Ye		SW SE	C 13 TWP 21 R	CE 2 WE	· N /		Data E	ntry By		Lauren Korte					
				GE 3 WO	IVI		Data E	ntry Date		09-Mar-2013					
Longitude, Latitu			7:29, 50:46:33	/ A IT \						Garry Roberts					
Road Authority Contract Main. A		CMA27	Transportation	(AII)			Review Date			16-Feb-2013					
Clear Roadway/			deg. (LHF)		Dept. Reviewer Name T			Tim Davies							
AADT/Year			•		Dept. Review Date			13-Mar-2013							
Road Classificat		RCU-2	2011 (A)				Follow	-Up By							
Detour Length (I		6	09-110	9-110											
Bridge Culvert															
Number of Culve		ation	1												
	Barrel		Span	Rise (or	Dia)	Туре		Length		Corr. Profile	Pl./Slab	Shape			
i ipe #	Danei		Оран	1136 (01	Dia.)	Турс		Lengui		Con. I Tome	Thickness	Onape			
1 1	MAIN		1829	1118		FP		29.8		68X13	2.8	ARCH			
Special Features	s		VERT TIMBER	STRUTS	3										
Special Features	s Comn	nent													
					114	ilities (L	oostod	at)							
Utility Attachme	nte				UL	illies (L	-ocateu	al)							
	T .	ditch					Gas								
Telephone South ditch. Power 8m North - 3 wires.						Municipal									
Others	OHITINO	nui - 3 v	wiies.				Problem (Y/N) No								
Remarks							1 TODIC	111 (1714)	140						
rtomanto				A	oproac	ch Road	l / Emb	ankment							
					Last		Explanation of Condition								
Horizontal Alignment				9	9	Field entrance over South invert.									
Vertical Alignment			8	8											
Roadway Width (m) 9.000		9.000													
Embantmant				8	8										
Embankment Sideslope (:1) 3.0		3.0													
(Height of Cover(m): 0.5)				-											
Guardrail (Y/N)			No												
Approach Road / Embankment General Rating		8	8												
0.1						Upstre			0 "						
Culvert Component Direction		Last S	Now	South.	nation of	Condi	uon								
End Treatment (Concrete, Steel, STEEL		3		South.											
Others, None) Headwall		X	X												
Collar		Х	X												
					X	X									
Wingwalls					_ ^	_ ^									
(Shape :) Cutoff Wall					V	V									
Cuton wall					X	X									

78177 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection	100	6	N	(well ingrown)
(Type : RIP RAP, NATURAL)		0	I IN	Snow covered.
				-
(Avg. Rock Size(mm) : 150) Scour/Erosion			l NI	
Scourerosion		8	N	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		- Dri	dae Cr	lyort Barrol
Culvert Component				Explanation of Condition
Culvert Component (Pipe # : 1, Primary Span, Loca	tion Code: MAIN			· · ·
		Span (IIIII	17. 1029	, ruse (IIIII). 1110, Type. FF)
Barrel Last Accessible Date	09-Feb-2013			
Special Features				
Special Feature		5	5	Vertical miss-align @ center.
(Type : VERT TIMBER STRUTS)	- 0		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Special Feature	1			
(Type:)				
				Managered ring 070 @ Ping 4
Roof Managered Dina (mm)	070	3	3	Measured rise 970 @ Ring 4.
Measured Rise (mm)	970			
Measured At Ring No.	4			
Sag (mm)	148			
Percent Sag	13			
Sidewall	1	4	4	Measured Span 1998 @ Ring 4.
Measured Span (mm)	1998			
Measured At Ring No.	4			
Deflection (mm)	169			
Percent Deflection	9			
Floor		4	4	
Bulge (mm)	150			
Measured At Ring No.	2			
Abrasion (Y/N)	No			
Circumferential Seams		5	5	
Separation (mm)	60			
Longitudinal Seams		X	Х	
Total No. of Cracked Rings	0	X		
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)		-		Loop of melionising and residents weet as "
Coating	NI-	5	5	Loss of galvanizing and moderate rust on floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

78177 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Span): 1829	, Rise (mm): 1118, Type: FP)					
Fish Passage Adequacy		Х	5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		5	5	(Almost iced closed in Spring/96).					
Icing (Y/N)	Yes			Struts appear in good condition. Icing is minor.					
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	4	Raised GR to a 4 due to struts.					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		N		North.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	X						
Collar		X	X						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	X						
Bevel End		7	N	Snow covered.					
Heaving (mm)	50			P.R 7.					
Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	100								
Scour Protection		6 N		Snow covered. P.R 6.					
(Type : RIP RAP)				F.N. 0.					
(Avg. Rock Size(mm) : 250)		1	1						
Scour/Erosion		6	N						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	7	N	P.R 7.					
		s	tructur	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		T	1						
Alignment		5	5	Ingrown U/S and D/S of culvert.					
Bank Stability			7						
HWM (m below Top of Culvert) 0.0				Pipe has flown full.					
Drift (Y/N) Yes				Straw caught in struts.					
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating		5	5						

		Maintena	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) 44.4/4	Sufficiency Rating (%)	(Last/Now)	53.0/50.1	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		Е	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	09-May-2016		Previous	Inspection Date	07-Nov-2009				
Inspection Cycle (Default) (months)	39								
Comment									