Bridge Culvert Inspection														
Bridge File Number 13085		13085	3085 -1 Bridge Culvert				Form Type		CUL1					
Year Built 1985		35				Lot No.		4						
Bridge or Town Name MILLAR			RVILLE				Inspector Name			Calvin Roberts				
Located Over		TRIBU	RIBUTARY TO THREEPOINT CREEK,				Inspector Class			BR CLS B				
			3.27.2.9.3, WATERCRS-ST 04 C1 4.022					ant Name						
Water Body Cl./		549.04	CT 4.022				Assistant Class							
Navigabil. Cl./Ye							Inspec	Inspection Date 09-Feb-2013						
		NIM SE	C 8 TW/D 21 D	2E 2 W/5N	1		Data Entry By Lauren Korte							
			EC 8 TWP 21 RGE 2 W5M					Data Entry Date 09-Mar-2013						
			4:14:42, 50:46:32				Reviewer Name			Garry Roberts				
		CMA27	ta Transportation (AIT)					v Date		16-Feb-2013				
		deg. (RHF)			Dept. Reviewer Name Tim Davies									
AADT/Year	OKCW		2011 (A)		Dept. Review Date			13-Mar-2013						
Road Classificat	tion	RCU-2					Follow-Up By							
Detour Length (I		6	00 110				-							
Bridge Culvert Information														
Number of Culve			1											
Pipe #	Barrel		Span	an Rise (or D		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		-	1600		MP	51.1			68X13	2.8	ROUND		
Special Features	s							01.1			-			
Special Features Comment														
Utilities (Located at)														
Utility Attachments														
Telephone South ditch.						Gas 100m to East.								
Power	50m to West-crosses Hwy 1			vire.			Munici	unicipal						
Others North R/W power-1 wire.					Proble	m (Y/N)	No							
Remarks														
				A	pproa	ch Road	l / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment					5	5	Reduced speed corner (75kph) in curve T intersection just east of pipe.							
Vertical Alignment					7	7	L.L.							
Roadway Width (m)		9.700												
Embankment					8	8								
Sideslope (:1)		2.5												
(Height of Cover(m): 2)														
Guardrail (Y/N)		No												
Approach Road	d / Emb	oankme	nt General Rat	ing	5	5								
						Upstre	am Enc							
Culvert Component				Last	Now	Explanation of Condition								
Direction			N		North.									
End Treatment (Concrete, Steel, Others, None)														
Headwall			Х	X										
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)					<u></u>									
Cutoff Wall				Х	Х									

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		5	N	Damage at upper East corner- construction. Snow and ice covered.						
Heaving (mm)	100		_	Snow and ice covered.						
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	300									
Scour Protection		7	N	Snow covered.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 350)				-						
Scour/Erosion		7	N							
Beavers (Y/N)	No									
Upstream End General Rating		5	N							
·										
Cultivant Courses			T	Ivert Barrel						
Culvert Component	tion Code Pasts 1	Last Now		· •						
(Pipe # : 1, Primary Span, Loca		opan (mm	1):	, Rise (mm): 1600, Type: MP)						
Barrel Last Accessible Date	07-Nov-2009			Ice to within 0.3m of roof at both entrances, could not enter.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)		·								
Roof		4	N	Estimate Roof.						
Measured Rise (mm)	1476			P.R 4.						
Measured At Ring No.	2									
Sag (mm)	124									
Percent Sag	7									
Sidewall	4	N	P.R 4.							
Measured Span (mm)	1724									
Measured At Ring No.	2			-						
Deflection (mm)	124			-						
Percent Deflection	7			-						
Floor	,	N	N	(Avg 400mm doop water with 200mm doop cilt)						
Bulge (mm)	0	IV	IN	(Avg 400mm deep water with 200mm deep silt).						
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		E	N.I							
	70	5	N							
Separation (mm)	10	V		(Installation demons @ Order-was 8.40						
Longitudinal Seams	0	X	N	(Installation damage @ 2nd seam & 10m from d/s end).						
Total No. of Cracked Rings Total No. of Rings with Two	0			·						
Cracked Seams Min. Remaining Steel	0			_						
Between Cracks (mm)				-						
Proper Lap (Y/N)				-						
Longitudinal Stagger (Y/N)										
Coating	1	7	N							
Corrosion By Soil (Y/N)	No			_						
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

	Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	, Rise (mm): 1600, Type: MP)									
Fish Passage Adequacy		6	6								
Baffle		Х	Х								
(Type:)											
Waterway Adequacy		5 5		(Pipe is submerged in spring) 19-Sep-2006							
Icing (Y/N) Yes				Ice to within 0.3m of roof.							
Silting (Y/N)	Yes										
Drift (Y/N)	No										
Barrel General Rating		4	4	G.R carried forward.							
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		S		South.							
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		Х	Х								
Collar		Х	Х								
Wingwalls		Х	Х								
(Shape:)											
Cutoff Wall		Х	Х								
Bevel End		7	N	(Bevel end barrel drilled and bolted to coupler). Snow covered.							
Heaving (mm) 0											
Invert Above/Below Stream Bed BELOW											
Above/Below (mm)	200										
Scour Protection		7	N	Snow covered.							
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 350)											
Scour/Erosion		7	N								
Beavers (Y/N)	No										
Downstream End General Ratin	ng	7	N	P.R 7.							
		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) 0.3				No HWM visible.							
Drift (Y/N) No				Ice to within 0.3m of roof.							
Channel Bottom AGGRADING Degrading/Aggrading											
Beavers (Y/N) No											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7	7								

13085 -1 Bridge Culvert

				Maintena	nce Recommend	dations						
Inspector Recommendations	Year Inspector Comments				Department Co	mmen	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS			<u> </u>			•						
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	w) 44.4/44.4		Sufficiency Rating (Last/Now) (%)		52.4/50.4		st. Repl. Yr 2018		Maint. Red	qd. (Y/N)	No
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Ja		Jason Rusu			Previous	revious Assistant's Name						
Next Inspection Date		-2016			Previous	Inspection Date		07-Nov-2009				
Inspection Cycle (Default) (months) 39												
Comment												