					Bridg	e Culve	ert Insp	ection					
Bridge File Num	ber '	73648 -	1 Bridge Culve	rt			Form Type CULM						
Year Built	uilt 1960						Lot No	Lot No. 4					
Bridge or Town	Name	PINCHE	ER CREE				Inspec	tor Name	;	Jon Davies			
Located Over			IILL CREEK, 2.	12.22.5.8	3,		Inspec	tor Class		BR CLS B			
Located On			28.368				Assistant Name						
Water Body Cl./		0.04 0 1	20.300				Assistant Class						
Navigabil. Cl./Ye							Inspection Date 30-Oct-2011						
Legal Land Loca		SE SEC	C 1 TWP 5 RGE	30 W4M	1		Data Entry By Alyssa Boynton						
Longitude, Latitu			:19, 49:21:18	2 00 11-11				Data Entry Date 28-Nov-2011					
Road Authority			Transportation	(AIT)				ver Name	•	Garry Roberts			
Contract Main. Area CMA26						Review Date  Dept. Reviewer Name			10-Nov-2011				
Clear Roadway/	Skew	10.4 /						Reviewer Review Da		Tim Davies			
AADT/Year		1,170 / :	2010 (A)	010 (4)					ale	01-Dec-2011			
Road Classificat	tion	RAU-21	1.8-110				Follow	-ор Бу					
Detour Length (F	km)	3											
Bridge Culvert	Informa	ation											
Number of Culve	erts		1										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 [	MAIN		5460	2440		BP		34.1				RECTANGLE	
Special Features	S												
Special Features Comment													
					Ut	ilities (L	ocated	at)					
Utility Attachmer	nts												
Telephone	West d	litch and	d East ditch				Gas		50m N	N			
Power	2 wires	wires crosses road 300m N.					Municipal						
Others							Proble	m (Y/N)	No				
Remarks								_					
A								ankment		·			
Power 2 wires crosses road 300m N.			Last 7	Now 7	_	ation of			t distance				
					6	6	Reduced sight from North. 300m sight distance. Local road int 200m South						
Roadway Width			10.400										
Embankment					5	5							
Sideslope (:	:1)		3.0										
(Height of Cov	•	1.5)											
Guardrail (Y/N)	<u> </u>	,	Yes										
Approach Road	d / Emb	ankmeı	nt General Rat	ing	6	6							
						Upstre	am End						
<b>Culvert Compo</b>	nent				Last			ation of	Condi	tion			
Direction					W		West e	nd.					
End Treatment ( Others, None)	Concre	te, Stee	I, CONCRETE	=									
Headwall					6	5		Exposed rebar at NW. Diagonal cracks & leaching, minor scaling.					
Collar					Х	Х							
Wingwalls					6	6	Concre	Concrete inlet slab - heaving 50mm & cracking.					
(Shape : FLAF	RE)						Some transverse cracks up to 2mm wide.						
Cutoff Wall					5	5							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	400			
Scour Protection		7	7	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 1820	, Rise (mm): 2440, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	30-Oct-2011			North cell.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	2440			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		6	6	Some typical hairline vertical cracks esp 4.5 m from D/S but no
Measured Span (mm)	1820			leaching.
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0		_	
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	Floor 25mm. Roof 10mm.
Separation (mm)	25			Roof formit.
Longitudinal Seams		Х	X	
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)				<u> </u>
Coating		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				<u> </u>
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	Yes			

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
_	tion Code: MAIN, Spa			, Rise (mm): 2440, Type: BP, Cell Sequence: 1)
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	6	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 1820	, Rise (mm): 2440, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	30-Oct-2011			Mid cell
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	Typical settlement cracks - some vertical cracks up to 1mm wide
Measured Rise (mm)	2440			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		6	6	
Measured Span (mm)	1820			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	25			
Longitudinal Seams		X	X	
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		Х	Х	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	No			

73648 -1 Bridge Culvert

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	ı): 1820	, Rise (mm): 2440, Type: BP, Cell Sequence: 2)
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	6	
		1		Ivert Barrel
Culvert Component				Explanation of Condition
	tion Code: MAIN, Spa	n (mm	): 1820	, Rise (mm): 2440, Type: BP, Cell Sequence: 3)
Barrel Last Accessible Date	30-Oct-2011			South cell
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Some hairline cracks
Measured Rise (mm)	2440			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		6	6	some hairline vertical cracks
Measured Span (mm)	1820			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	25			
Longitudinal Seams		X	X	
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		Х	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 1820	, Rise (mm): 2440, Type: BP, Cell Sequence: 3)					
Fish Passage Adequacy		Х	7						
Baffle		Х	X						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		6	6						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	•			East end.					
End Treatment (Concrete, Steel, Others, None)	CONCRETE	E							
Headwall		6	6						
Collar			Х						
Wingwalls		6	6	Typical diagonal cracks & leaching - 2mm wide.					
(Shape : FLARE)				Concrete outlet slab good condition					
Cutoff Wall		6	6						
Bevel End			Х						
Heaving (mm)									
Invert Above/Below Stream Bed ABOVE									
Above/Below (mm) 250									
Scour Protection		7	7	Ingrown.					
(Type : NATURAL)									
(Avg. Rock Size(mm):)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	6	6						
		S	tructur	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			5	90 deg turn D/S. 45 deg @ U/S.					
Bank Stability		4	4	Steep banks & slumping U/S and D/S away from pipe.					
HWM (m below Top of Culvert) 1.0				(Medium size drift grass on U/S shrub) November 29 2011.					
Drift (Y/N)									
Channel Bottom Degrading/Aggrading	DEGRADING								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		4	4						

73648 -1 Bridge Culvert

Bridge Inspection & Maintenance System (Web 2005)

			Maintenar	nce Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Con	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 66.7/6	6.7	Sufficiency Rating (Last/Now) (%)		66.4/66.4	Est. Repl. Yr	2023 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date			Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jason Rusu			Previous	s Assistant's Name					
Next Inspection Date	30-Jul-2013			Previous	Inspection Date	29-Nov-2009				
Inspection Cycle (Default) (months)	21			·						
Comment										