					Bridg	e Culve	ert Insp	ection						
Bridge File Num	nber	70874 I	E-1 Bridge Culv	ert			Form	Гуре		CUL1				
Year Built	•				Lot No.			4						
Bridge or Town						tor Name		Shane Hall						
Located Over		PONO! ST	KA CREEK, 8.1	A CREEK, 8.11.127, WATERCRS-				tor Class		BR CLS A				
Located On			R1 49.404				Assistant Name							
	Year	10.02 1	(1 40.404				Assistant Class							
•								tion Date		11-Aug-2012				
	i	NE SE	C 22 TWP 52 R	GF 23 W	5M			Data Entry By Theresa Lacusta						
			7:55, 53:30:39	OL 20 W	OIVI					09-Sep-2012				
	uuc		Transportation	(ΔIT)			Reviewer Name			Eric Carcoux				
	Area	CMA13	·	(/ (1 / )				31-Aug-2012						
				·	Dept. Reviewer Name Brent Herrick									
	OKEW		2011 (A)			Dept. Review Date			18-Sep-2012					
Located On 1:  Water Body CI./Year Navigabil. CI./Year Legal Land Location N Longitude, Latitude -1 Road Authority A Contract Main. Area C Clear Roadway/Skew 1: AADT/Year 5 Road Classification R Detour Length (km) 1 Bridge Culvert Informat Number of Culverts Pipe # Barrel 1 MAIN Special Features Special Features Comme			12.4-120			Follow-Up By								
			12.1 120				-							
							1							
			1											
Pipe #	Barrel		Span	Rise (or Di		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 MAIN 1724  Special Features  Special Features Comment		1724	1901	SPE			34.1		152X51	2.8	ELLIPSE			
								10.111			1-1-			
		ment												
					114	ilities (L	ocatoo	l at\						
Litility Attachme	nte				Οι	ilities (L	-ocatec	ai)						
							Gas							
·		es North r/w.					Munic	nal						
	0 111100	714014111	, vv.					m (Y/N)	No					
				Α	pproa	ch Road	d / Emb	ankment						
	Last	Now	Explanation of Condition											
Horizontal Align	ment				8	8								
Vertical Alignme	ent				8	8								
		12.200	.200											
Embankment					7	7								
Sideslope (	:1)		3.0				1							
(Height of Cov	ver(m) :	1.5)												
Guardrail (Y/N)			No											
Approach Road	d / Emb	oankme	nt General Rat	ing	8	8								
						Upstre	am End	1						
Culvert Compo	nent				Last	Now		nation of	Condi	tion				
Direction					S	11111								
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar			Х	X										
Wingwalls			X	X										
(Shape: )														
Cutoff Wall			Х	X										

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	4	150mm tear in East side.
Heaving (mm)	750			Bevel starting to buckle at top due to uplift.
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		4	4	Bevel projecting approx 1m from fill, eroded along bottom edges. Fi
(Type : <b>NONE</b> )				settled up to 300mm along bevel sides. Bevel undermined for 1.5m
(Avg. Rock Size(mm):)				-
Scour/Erosion		5	4	Bevel undermined.
				Bovor andominioa.
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
		Brid	dae Cu	llvert Barrel
Culvert Component				Explanation of Condition
	ation Code: MAIN.			I, Rise (mm): 1901, Type: SPE)
Barrel Last Accessible Date	11-Aug-2012		<u>,                                      </u>	
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	1st rings and bevel have uplifted close to 1m.
Measured Rise (mm)	1878			
Measured At Ring No.	8			
Sag (mm)	23			-
Percent Sag	1			-
Sidewall	•	7	6	
Measured Span (mm)	1730	,		Plates cusping @ 2:00 postion in rings 5,67.
Measured At Ring No.	8			_
Deflection (mm)	6			_
Percent Deflection	1			_
	1	7	7	
Floor		7	7	
Bulge (mm)	0			-
Measured At Ring No.	V			-
Abrasion (Y/N)	Yes		T -	
Circumferential Seams		7	7	_
Separation (mm)	0			
Longitudinal Seams		7	7	Piping through lower bolt holes in first 4 sections.
Total No. of Cracked Rings	0			1N
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			1
Coating	1.00	5	6	Superficial rusting on strip floor1m wide
Corrosion By Soil (Y/N)	No	3	U	_ Superioral rusting off strip floor Till wide
Corrosion By Water (Y/N)	Yes			-
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

		_	190 GG	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	oan (mm	): 1724	4, Rise (mm): 1901, Type: SPE)				
Fish Passage Adequacy		4	4	Steep inlet end.				
Baffle		X	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating		7	6					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N		Outlet flows from median and into BF 80656.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	X					
Wingwalls		X	Х					
(Shape: )								
Cutoff Wall		X	Х					
Bevel End		7	6					
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	100							
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Rati	ng	7	6					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Channel (U/S and D/S) Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading	AGGRADING			Aggrading U/S due to heaved bevel.				
Beavers (Y/N)	No							
(Fish Compensation Measure 1	: NONE)							
(Fish Compensation Measure 2	: NONE)							
Channel General Rating		7	7					

		Maintenance R	Recommendat	tions					
Inspector Recommendations	Year	Inspector Comments		Department Comm	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) 77.8/66	.7 Sufficiency Rating (Last	/Now) 66	5.4/59.8	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	No
Special Monitor erosion and Next Inspection	d piping @ u/s e	nd.	)	Department Comments					
Maintenance Reviewed By			1	Date		Е	stimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Eric Carcoux	Eric Carcoux Previo							
Next Inspection Date	11-May-2014		Previous Ins	s Inspection Date 15-Sep-2010					
Inspection Cycle (Default) (months)	21								
Comment									