Bridge Culvert Inspection													
Bridge File Number 78540 -1 Bridge Culvert						Form Type			CUL1				
Year Built		1988					Lot No.			4			
Bridge or Town	e or Town Name LEAMAN						Inspector Name			Todd Warshawski			
Located Over		LITTLE	BRULE CREE	CREEK, 8.2.51.48.15,				Inspector Class BR C			BR CLS B		
Located On	R1 29.601	1 20 601				ant Name							
Water Body Cl./	(1 20.001				Assistant Class								
Navigabil. Cl./Ye							-	tion Date	Date 16-Aug-2012				
Legal Land Loca		SE SE	C 34 TWP 53 R	GF 11 W	5M		Data Entry By Theresa Lacusta						
			1:42, 53:36:51	<u> </u>	J1V1		Data Entry Date			22-Aug-2012			
			Transportation		Reviewer Name			Eric Carcoux					
Contract Main. Area CMA12				(/ (1 1)			Review Date			21-Aug-2012			
										Brent Herrick			
AADT/Year	OKCW		(2011 (4)					Dept. Review Date		30-Aug-2012			
Road Classificat	tion		12.4-120		Follow-Up By								
		1	12.1 120										
Detour Length (km) 1 Bridge Culvert Information													
Number of Culverts 1													
	Barrel		Span	Rise (or D		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1 1	MAIN		_	1600		MP		40		68X13	2.8	ROUND	
Special Features		.iiv - 1600				IVII	40			00/(10	2.0	TROOND	
Special Features Special Features Comment													
Special Feature	Special i eatures Confinent												
					Uti	ilities (L	ocated	at)					
Utility Attachme	nts								I				
Telephone							Gas						
Power	x's hw	y 100m	East			Municipal							
Others							Proble	m (Y/N)	No				
Remarks	File ta	g U/S (South).										
				A				ankment					
Lieuine and all Alieur are and					Last	Now	Explanation of Condition						
Horizontal Alignment				7	7	Local road intersection 180m east.							
Vertical Alignment			40.500	8	8	EBL.							
Roadway Width (m)		12.500											
Embankment					8	8							
Sideslope (:	:1)		4.0										
(Height of Cov	/er(m) :	1.5)											
Guardrail (Y/N)			No										
Approach Road / Embankment General		ent General Rat	ing	7	7								
						Upstre	am End						
Culvert Component L						Now		nation of	Condi	tion			
Direction			S	'	_								
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall			Х	Х									
Collar			Х	Х									
Wingwalls				Х	X								
(Shape:)													
Cutoff Wall				X	X								

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection	100	7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				-
Scour/Erosion		7	7	
Occur/E103ioi1			'	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
Opstream End General Rating				
Culvert Cores and				Ivert Barrel
Culvert Component	tion Ocales MAIN		Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		span (mm	1):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	16-Aug-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1558			
Measured At Ring No.	2			
Sag (mm)	42			
Percent Sag	3			
Sidewall		7	7	
Measured Span (mm)	1645			
Measured At Ring No.	2			
Deflection (mm)	45			
Percent Deflection	3			
Floor	10	6	6	Minor superficial rust.
Bulge (mm)	0	U	U	Isolated bulge in ring 2 from construction.
Measured At Ring No.	2			
Abrasion (Y/N)	No			
Circumferential Seams	140	6	6	Top of LI/S coom D/S costion
	60	6	U	Top of U/S seam.D/S section.
Separation (mm)	00	V	V	
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		6	6	Superficial rust on floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Donding (V/N)	No			
Ponding (Y/N)	No			

		Brid	lge Cu	Ivert Barrel							
Culvert Component			Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1600, Type: MP)							
Fish Passage Adequacy		5	5	Soils blocking outlet.							
Baffle		Х	Х								
(Type:)											
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	Yes										
Drift (Y/N)	No										
Barrel General Rating		7	7								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		N									
End Treatment (Concrete, Steel, Others, None)											
Headwall		X	X								
Collar		X	X								
Wingwalls		Х	Х								
(Shape:)											
Cutoff Wall		Х	Х								
Bevel End		7	7								
Heaving (mm) 0											
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	100										
Scour Protection		7	7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion			7								
Beavers (Y/N) No											
Downstream End General Ratio	ng	7	7								
		s	tr <u>uctu</u>	re Usage							
		Last	Now	Explanation of Condition							
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											
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :											
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		7	7								

Maintenance Recommendations											
Inspector Recommendations	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		77.8/77.8		Sufficiency Rating (Las (%)	st/Now)	75.7/75.6	Est. Repl. Yr	2040 Maint. Re		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 Todd		odd Warshawski			Previous	Previous Assistant's Name					
Next Inspection Date 16-Ma		6-May-2014 Pr			Previous	ous Inspection Date 16-Sep-2010					
Inspection Cycle (Default) (months) 21											
Comment											