					Brida	e Culve	ert Inspe	ection					
Bridge File Num	ber					o our	Form Type			CULM			
Year Built		1974					Lot No.			3			
Bridge or Town Name   SPRING COULE						Inspector Name		Jason Rusu					
Located Over					Inspector Class		BR CLS A						
Located On	28.553	***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>	<u> </u>	nt Name		DIX OLO IX					
Water Body Cl./Year								int Class					
Navigabil. Cl./Year								tion Date		04-Oct-2011			
Legal Land Location SW SEC 11 TWP 5 F				2E 22 W//M			<del></del>			Erin Roberts			
Longitude, Latitu						Data Entry By  Data Entry Date		17-Nov-2011					
Road Authority								Garry Roberts					
Contract Main. Area CMA25			•	(/ (( ) )			Review Date		10-Nov-2011				
Clear Roadway/			0 deg. (RHF)					Reviewer	Name	Tim Davies			
AADT/Year			2010 (A)				<u> </u>	Review Da		21-Nov-2011			
Road Classifica		RAU-21					Follow-		<u> </u>	211101 2011			
Detour Length (	-	2	0 100				lonow	Op Dy					
Bridge Culvert													
Number of Culv			2										
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		1829	1118		FP		40.2		68X13	3.5,3.5,3.5	ARCH	
2	MAIN		1473	914		FP		40.2		68X13		ARCH	
Special Feature	 S												
Special Feature		ment											
•													
					Uti	ilities (L	ocated	at)					
Utility Attachme									1				
Telephone	South						Gas X road 75 m East, x canal 25 m North					rth	
Power			3 wire North.				Municip						
Others			oe x canal 5m N				Proble	m (Y/N)	No				
Remarks	3 W C Fibre	CROSSE optics @	S ROAD 50 m South R/W										
								ankment					
Harizantal Alian	mant				Last	Now		ation of	Condi	lion			
Horizontal Align					9	9	Hill cre	sing EB sts 200 m	n East.				
Vertical Alignme			42.500		6	6							
Roadway Width	(m)		13.500										
Embankment					7	7							
Sideslope (	:1)		4.0				1						
(Height of Cov	/er(m) :	0.7)	·										
Guardrail (Y/N)			No										
Approach Road	d / Emb	oankmei	nt General Rat	ing	6	6							
						Unstre	am End						
Culvert Compo	nent				Last			ation of	Condi	tion			
(Pipe # : <b>1</b> , <b>Spa</b>		e: Prima	ry Span)			,							
Direction					N		East pi	pe-NORT	TH ENT	)			
End Treatment (Others, None)	(Concre	ete, Stee	I, STEEL										
Headwall					Х	Х	Headgate and electric irrigation pump 15 m u/s.						
Collar					Х	Х							
Wingwalls					Х	Х							
(Shape: )													

			Unstre	eam End			
Culvert Component				Explanation of Condition			
(Pipe # : 1, Span Type: Primary	/ Span)	Lust	1.10				
Cutoff Wall	, opan,	X	Х				
Cuton vvan							
Bevel End		5	N	(Surface rust, with some pitting) 03/03/2006			
Heaving (mm)	0			Not visible due to high water level			
Invert Above/Below Stream Bed							
Above/Below (mm)	0						
Scour Protection		5	N	PR 5			
(Type : RIP RAP)							
(Avg. Rock Size(mm) : 300)							
Scour/Erosion		5	N	PR 5			
Beavers (Y/N)	No						
Upstream End General Rating		5	5	G.R. carried forward			
open oum ima conorar manny							
				lvert Barrel			
Culvert Component				Explanation of Condition			
(Pipe # : 1, Primary Span, Loca		an (mm	n): 1829				
Barrel Last Accessible Date	28-Nov-2009			Not accessible due to high water			
Special Features							
Special Feature							
(Type:)							
Special Feature				_			
(Type:)							
Roof		3	N	(Due to Sag			
Measured Rise (mm)	968			Wavy, one section 1/3L from u/s is			
Measured At Ring No.	2			dentéd, minor) Nov-28-2009 PR 3			
Sag (mm)	150						
Percent Sag	13						
Sidewall		5	N	PR 5			
Measured Span (mm)	1915						
Measured At Ring No.	2						
Deflection (mm)	86						
Percent Deflection	5						
Floor		5	N	PR 5			
Bulge (mm)	100						
Measured At Ring No.	3						
Abrasion (Y/N)	No						
Circumferential Seams	•	5	N	PR 5			
Separation (mm)	30						
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)							
Coating		5	N	PR 5			
Corrosion By Soil (Y/N)	No			(SOME MINOR PITTED CORROSION @ FLOOR & SIDEWALL) Nov-28-2009			
Corrosion By Water (Y/N)	Yes						

		Brid	dge Cul	lvert Barrel		
Culvert Component		Last Now		Explanation of Condition		
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa			): 1829	, Rise (mm): 1118, Type: FP)		
Camber POS/ZERO/NEG	ZERO			No sight line		
Ponding (Y/N)	No					
Fish Passage Adequacy		3	N	(Dead fish @ D/S scour hole ) Nov-28-2009		
Baffle		Х	Х			
(Type:)						
Waterway Adequacy		7	7			
Icing (Y/N)	No					
Silting (Y/N)	No					
Drift (Y/N)	No					
Barrel General Rating		3	3	G.R. carried forward		
		D		eam End		
Culvert Component		Last	Now	Explanation of Condition		
(Pipe # : 1, Span Type: Primary	/ Span)	1				
Direction		S		EAST CULVERT - SOUTH END		
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		X	X			
Collar		Х	X			
Wingwalls		X	X			
(Shape: )						
Cutoff Wall		Х	X			
Bevel End		5	N	PR 5 not visible due to high water level		
Heaving (mm)	0					
Invert Above/Below Stream Bed	ABOVE			Not visible		
Above/Below (mm)	600		1	(BEVEL HANGING IN AIR.) Nov-28-2009		
Scour Protection		3	N	(Voided 500mm under bevel 0.6m from bevel to bot streambed) Nov-28-2009		
(Type : RIP RAP)				PR 3		
(Avg. Rock Size(mm) : <b>300</b> )		I	1			
Scour/Erosion		3	N	(3mx5mx0.3m scour hole) Nov-28-2009 PR 3		
Beavers (Y/N)	No					
Downstream End General Ratio	ng	3	3	G.R. Carried forward		
			Upstre	am End		
Culvert Component		Last	Now	Explanation of Condition		
(Pipe # : 2, Span Type: Second	lary Span)	1				
Direction		N		WEST CULVERT - NORTH END.		
End Treatment (Concrete, Steel, Others, None)	STEEL					
Headwall		Х	X			
Collar		Х	Х			
Wingwalls		Х	X			
(Shape: )						
Cutoff Wall		X	X			

			Unstre	am End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Seconda	arv Span)		1	
Bevel End	<u> </u>	5	N	Not visible due to high water level
	0			PR 5
Invert Above/Below Stream Bed ABOVE				Not visible
Above/Below (mm)	0			
Scour Protection	-	5	N	PR 5
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion		5	N	PR 5
Beavers (Y/N)	No			
Upstream End General Rating		5	5	G.R. carried forward
		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	mm): 14	473, Rise (mm): 914, Type: FP)
Barrel Last Accessible Date	24-Apr-2004			Not accessible due to high water level
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	(Viewed from ends
Measured Rise (mm)	1925			Estimate 3-5% deformation @ middle of barrel.) Nov-28-2009
Measured At Ring No.				
	93			
	8			
Sidewall		N	N	
Measured Span (mm)	925			
Measured At Ring No.				
Deflection (mm)	96			
Percent Deflection	5			
Floor		N	N	
Bulge (mm)	100			
Measured At Ring No.				
·	No			
Circumferential Seams		N	N	
Separation (mm)	30			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	N	
Corrosion By Soil (Y/N)				1
Corrosion By Water (Y/N)	Yes			
	ZERO			No sight line possible

		Brid	lge Cu	Ivert Barrel			
<b>Culvert Component</b>				Explanation of Condition			
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm): 14	473, Rise (mm): 914, Type: FP)			
Ponding (Y/N)	No						
Fish Passage Adequacy		3	Х	(100's of small fish caught @ U/S end.) Nov-28-2009 PR 3			
Baffle		Х	Х				
(Type:)							
Waterway Adequacy		7	7				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		4	4	general rating carried forward			
		D	ownstr	ream End			
Culvert Component		Last		Explanation of Condition			
(Pipe # : 2, Span Type: Second	larv Span)	Luci	111011				
Direction	<b>,</b> ,	s		SOUTH END WEST PIPE			
End Treatment (Concrete, Steel, Others, None)	STEEL						
Headwall		Х	Х				
Collar		Х	Х				
Wingwalls		Х	Х				
(Shape: )		T	1				
Cutoff Wall		X	X				
Bevel End		5	N	Not visible due to high water PR 5			
Heaving (mm)	0			FK 5			
Invert Above/Below Stream Bed	ABOVE						
Above/Below (mm)	500		1				
Scour Protection		3	N	(BEVEL HANGING IN AIR.) Nov-28-2009 (Scour protection ingrown)Nov-28-2009			
(Type : RIP RAP)							
(Avg. Rock Size(mm) : <b>300</b> )		I	1	PR 3			
Scour/Erosion		3	N	(SOUR GOES BACK UNDER PIPE 1.0 m. 0.4m from bevel to bot streambed) 2004-04-24			
				PR 3			
Beavers (Y/N)	No						
Downstream End General Ratio	ng	3	3	GR Carried Forward			
		s	tructu	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)							
Drift (Y/N)	No						
Channel Bottom Degrading/Aggrading	DEGRADING						
Beavers (Y/N)	No						
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						

Structure Usage								
	Last	Now	Explanation of Condition					
Channel General Rating		7						

77848 -1 Bridge Culvert

		Maintenance F	Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Com	ments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP	2012	Place 3m³ clay and 5m³ Cl. 1 @ Daniel Maintenance completed no photo	'S 's possible				
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) 33.3/33	Sufficiency Rating (Las	t/Now) 42.0/49.5	Est. Repl. Yr 2016	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 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	04-Jul-2013		Previous Inspection Date	28-Nov-2009			
Inspection Cycle (Default) (months)	21						