				Brida	e Culve	ert Inspection						
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	SW SE	C 4 TWD 17 D	CE 12 \\//\	1		· ·	;		•			
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)9-110				Follow-Up By						
	ation	4										
			Di- / -	\ :_ \	т.	1		0 5 61	DI (OL I	Oh.		
Barrel		Span	Rise (or L	Dia.)	Type	Length		Corr. Profile	PI./Slab Thickness	Shape		
MAIN		3100	1980		RPE	23.8		152X51		ELLIPSE		
s						·						
s Comn	nent											
				Uti	lities (L	ocated at)						
nts												
North:	side.					Gas						
						Municipal						
						Problem (Y/N)	Problem (Y/N) No					
				Last	Now	Explanation of Condition						
				9	9	-						
ent				9	9							
						Hazard markers	3					
(m)		9.000				50mm wide cra	cks in A	.C.P 3m E&W	of pipe.			
					1							
			7	N	Snow							
						and the second s						
:1)		2.0				-						
:1) /er (m) :	1.3)	2.0										
	1.3)	2.0				One broken pos	st @ S.I	E.				
ver (m) :		Yes	ing	Q	l q	One broken pos	st @ S.I	Ε.				
ver (m) :			ing	9	9	One broken pos	st @ S.I	E				
ver (m) :		Yes			Upstre	am End						
ver (m) :		Yes		Last	Upstre	am End Explanation of						
d / Emb	ankme	Yes			Upstre	am End						
d / Emb	ankme	Yes		Last	Upstre	am End Explanation of						
d / Emb	ankme	Yes		Last	Upstre	am End Explanation of						
d / Emb	ankme	Yes		Last N	Upstre Now	am End Explanation of						
d / Emb	ankme	Yes		Last N	Upstre Now	am End Explanation of						
	Year ear ation ude Area Skew tion (m) Information (MAIN Services Community North services Community (MAIN Services Commun	1986 Name TILLEY EID - IR 535:02 Year Pation SW SEN Ude -111:44 Alberta Area CMA23 Skew 9 / 230 / 20 Cition RCU-20 Cition RCU-20 Cition RCU-30 Barrel MAIN SS Comment Ints North side.	1986 Name TILLEY EID - IRRIGATION C, 535:02 C1 10.556 Year Patrion SW SEC 4 TWP 17 ROude -111:44:24, 50:23:51 Alberta Transportation Area CMA23 Skew 9 / 230 / 2008 (A) Ition RCU-209-110 Ition RCU-209-110 Ition RCU-309-110 Itin RC	ber 76167 -1 Bridge Culvert 1986 Name TILLEY EID - IRRIGATION C, WATERCE 535:02 C1 10.556 Year Pation SW SEC 4 TWP 17 RGE 13 W4N Aude -111:44:24, 50:23:51 Alberta Transportation (AIT) Area CMA23 Skew 9 / 230 / 2008 (A) Fion RCU-209-110 CM) 3 Information Perts 1 Barrel Span Rise (or E MAIN 3100 1980 S Comment North side.	ber 76167 -1 Bridge Culvert 1986 Name TILLEY EID - IRRIGATION C, WATERCRS-IC 535:02 C1 10.556 Year Patrice SW SEC 4 TWP 17 RGE 13 W4M Alde -111:44:24, 50:23:51 Alberta Transportation (AIT) Area CMA23 Skew 9 / 230 / 2008 (A) Priorice Span Rise (or Dia.) MAIN 3100 1980 Se Comment Utints North side. Approach Last Ment 9 9	Name TILLEY	1986	Dept	Detail D	Dept		

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		Х	Х	
Bevel End		7	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		6	N	Snow
(Type : RIP RAP)				
(Avg. Rock Size (mm) : 250)				
Scour/Erosion		6	N	
Beavers (Y/N)	No			
Upstream End General Rating		6	N	
		Brid	dge <u>Cu</u>	Ilvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			
Barrel Last Accessible Date	16-Feb-2010			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	Estimate
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	30			
Percent Sag	1			
Sidewall		8	8	
Measured Span (mm)	3200			
Measured At Ring No.	4			
Deflection (mm)	100			
Percent Deflection	3			
Floor		N	N	ice covered- Avg. 1.0m dp
Bulge (mm)		- ' '		les services rivigi. Helli ap
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		8	8	
Separation (mm)				
Longitudinal Seams		8	8	Roof is staggered
Total No. of Cracked Rings	0	0		Troof is staggered
Total No. of Rings with Two	0			
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		4	4	corrosion with some pitting in the lower half @ side wall
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 3100	, Rise (mm): 1980, Type: RPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle			Х	
(Type:)				
Waterway Adequacy		6	N	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N) No				
Barrel General Rating		8	8	
		D	ownstr	eam End
Culvert Component		Last		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	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		6 N		Snow
(Type : RIP RAP)				
(Avg. Rock Size (mm) : 250)				
Scour/Erosion		6	N	
Beavers (Y/N)	No			
Downstream End General Rating		7	N	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		9	9	Drop structure 20 m d/s
Davida Otali ilita		7		(2 turnout structues 5m North) 1 turnout structure 10m south
Bank Stability		7	N	Snow
HWM (m below Top of Culvert)				
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		9	9	G.R. carried forward

			Maintenance Rec	ommend	ations						
Inspector Recommendations	Year	Inspecto	or Comments		Department Con	nment	S		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	2010	Patch cr	acks in A.C.P 3m E&W of pipe	Э							
OTHER ACTION	2010	Replace	one guardrail post at SE								
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 88.9/8	8.9	Sufficiency Rating (Last/Now (%)		'9.7/86.3 Est		. Repl. Yr	2033	Maint. Ro	eqd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			l l	Estimated Total	al 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Tim Davies Previou					Assistant's Name						
Next Inspection Date	16-May-2013		-	Previous I	Inspection Date 28-Feb-2007						
Inspection Cycle (Default) (months)	39										
Comment											