					Bridg	e Culve	ert Insp	ection					
Bridge File Number 73827 -1		7 -1 Bridge Culvert			Form Type		CUL1	CUL1					
Year Built 1988			38				Lot No.		4	4			
Bridge or Town Name TILLEY			ΞΥ			Inspector Name		Tom Carey	Tom Carey				
			- IRRIGATION C, WATERCRS-IC			Inspec	tor Class	BR CLS A	BR CLS A				
Located On 1:18 R1 2			R1 29.165;1:18 L1 29.180			Assista	ant Name						
Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Year							Inspec	tion Date	15-Feb-2012	15-Feb-2012			
Legal Land Location SE SEC			1 TWP 18 RGE 13 W4M				Data E	ntry By	Lauren Korte				
			:17, 50:29:17				Data E	Data Entry Date 26-Mar-2012					
Road Authority Alberta			Transportation (AIT)				Reviev	ver Name	Garry Roberts	Garry Roberts			
Contract Main. Area CMA23							Reviev	v Date	26-Feb-2012	26-Feb-2012			
Clear Roadway/Skew 30 / 29 c		30 / 29 de	deg. (RHF)				Dept. F	Reviewer Nam	e Tim Davies	Tim Davies			
AADT/Year 6,650 / 2		6,650 / 20	2011 (A)				Dept. Review Date		29-Mar-2012	29-Mar-2012			
Road Classifica	ation	RFD-412	2.4-130			Follow-Up By							
Detour Length	(km)	1											
Bridge Culver													
Number of Cul	verts	1											
Pipe #	Barrel	Span Rise		Rise (or	(or Dia.) Typ		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	3	870	2100		RPE		76.8	152X51	4.0	ELLIPSE		
Special Feature	Special Features CONC FLOOR												
Special Feature	es Comi	ment											
					114;	litios (I	ocated	at)					
Utility Attachme	ents				Oti	iities (L	-ocatec	at)					
Telephone		R/W (Nor	R/W (North R/W fibre optic).										
Power		e, X's at pipe, N. side					Munici	nal					
Others		standards both sides.					Problem (Y/N) No						
Remarks	_		er 60 m North				1 10010	(1111)					
					oproac	ch Road	d / Emb	ankment					
					Last	Now	Explar	nation of Con	dition				
Horizontal Alignment					7	7	60m W. of Jct. S.H. 876.						
Vertical Alignment					9	9	Slab visible @ median.						
Roadway Width (m)		26.500											
Embankment				7	7								
Sideslope (:1)		4.0											
(Height of Co		: 0.6)					1						
Guardrail (Y/N)		,	Yes										
Approach Roa	ad / Eml	bankment	General Rat	ing	7	7							
						Upstre	am End						
Culvert Component			Last	Now	Explanation of Condition								
Direction					N		North.						
End Treatment Others, None)	(Concre	ete, Steel,	STEEL										
Headwall			Х	Х									
Collar			Х	Х									
Wingwalls			Х	X									
(Shape:)						1							
Cutoff Wall			Х	Х									

73827 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	60			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		7	7	Canal banks are well armored with rock size of 100mm.
(Type : RIP RAP)		,		Sanar same are well aminored man resk size of resimin
(Avg. Rock Size(mm) : 100)				
Scour/Erosion		7	7	
GCGGI/E1GSIGII				
Beavers (Y/N)	No			
Upstream End General Rating	1	7	7	
		Dei	dae Cu	hvort Porrol
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			·
Barrel Last Accessible Date		Span (IIIII	17. 3070	, ruse (mm). 2100, Type. RFL)
Darrei Last Accessible Date	15-Feb-2012			
Special Features				
Special Feature		N	N	Iced over.
(Type : CONC FLOOR)				
Special Feature				
(Type:)				
Roof		N	7	Est.
Measured Rise (mm)	2193			
Measured At Ring No.				
Sag (mm)	93			
Percent Sag	4			
Sidewall		N	7	3953 span @ mid Ring 8.
Measured Span (mm)	3950	- 11		5555 Spair & mid raing 6.
Measured At Ring No.	2			
Deflection (mm)	80			
Percent Deflection	2			
		N.	NI.	1000mm Doon loo
Floor		N	N	1000mm Deep Ice.
Bulge (mm) Magaurad At Bing No.				
Measured At Ring No.	No			
Abrasion (Y/N)	No		-	
Circumferential Seams		N	7	
Separation (mm)	0		T -	
Longitudinal Seams		N	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	No			
Coating		N	4	Corrosion with some pitting @ side walls.
Corrosion By Soil (Y/N)		14	Т	20. 20.00 man come planty & olde walle.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Odifiber 1 OO/ZEINO/NEG	ZLINO			
Ponding (Y/N)	No			

Culvert Component Last Now Explanation of Condition (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3870, Rise (mm): 2100, Type: RPE Fish Passage Adequacy 7 X Baffle X X (Type :) Vaterway Adequacy 7 8 Icing (Y/N) No Silting (Y/N) No)									
Fish Passage Adequacy 7 X Baffle X X (Type:) Vaterway Adequacy 7 8 Icing (Y/N) No Silting (Y/N) No										
Baffle										
(Type :) 7 8 Icing (Y/N) No Silting (Y/N)										
Waterway Adequacy 7 8 Icing (Y/N) No Silting (Y/N) No										
Icing (Y/N) No No										
Icing (Y/N) No No										
Silting (Y/N) No										
Drift (Y/N) No										
Barrel General Rating N 7										
Downstream End										
Culvert Component Last Now Explanation of Condition										
Direction S South.										
End Treatment (Concrete, Steel, STEEL Others, None)										
Headwall X X										
Collar X X										
Wingwalls X X										
(Shape:)										
Cutoff Wall X X										
Bevel End X X										
Heaving (mm) 75										
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 500										
Scour Protection 7 7 Ingrown.										
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)										
Scour/Erosion 7 7 Canal slopes are well vegetate	ed.									
Beavers (Y/N) No										
Downstream End General Rating 7 7										
Structure Usage										
Last Now Explanation of Condition										
Channel (U/S and D/S)										
Alignment 9 9										
Bank Stability 7 7										
HWM (m below Top of Culvert) 0.4 No visible HWM.										
Drift (Y/N) No (991007)										
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 : NONE)										
Channel General Rating 9 9										

		Moin	tenance Recommen	dations					
Inspector Recommendations	Year	Inspector Comments	tenance Recommen	Department Com	monto		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS	Teal	inspector Comments		Department Con	iments		Target Teal	ESI. COSI	Cal #
PLACE ADDITIONAL RIP RAP									+
REMOVE DRIFT ACCUMULATION									+
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									+
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS	21.1								
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 55.6/77	.8 Sufficiency Ra (%)	ting (Last/Now)	67.0/81.1	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts F			Previous Assistant's Name					
Next Inspection Date	15-Nov-2013		Previous	evious Inspection Date 15-Jul-2010					
Inspection Cycle (Default) (months)	21		'		,				
Comment									