Bridge Culvert Inspection														
Bridge File Number 72761 -1 Br			1 Bridge Culvert				Form Type			CUL1				
Year Built		1973					Lot No			1				
Bridge or Town	Name	TILLEY	,				Inspector Name		Tom Carey					
Located Over		EID - IF	RRIGATION C, V	NATERO	RS-IC	RS-IC		Inspector Class		BR CLS A				
Located On		535:02	C1 6.264				Assista	ant Name						
Water Body Cl.	/Year							Assistant Class						
Navigabil. Cl./Y	ear						Inspec	tion Date		16-Feb-2010				
Legal Land Loc	ation	SE SE	C 1 TWP 17 RG	E 14 W4	М		Data E	ntry By		Kelsey Roberts	S			
Longitude, Latit	ude	-111:48	3:01, 50:23:51				Data E	ntry Date		03-Mar-2010				
Road Authority		Alberta	Transportation	(AIT)			Reviev	ver Name		Garry Roberts				
Contract Main.	Area	CMA23	3				Reviev	v Date		23-Feb-2010				
Clear Roadway	/Skew	9.5 /					Dept. F	Reviewer	Name	Lorenz Bohner	rt			
AADT/Year		100 / 20	(A) 800				Dept. F	Review Da	ate	08-Mar-2010				
Road Classifica	d Classification RCU-210-110					Follow-Up By								
Detour Length	(km)	20												
Bridge Culvert	Inform	ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1525		MP		32.4		68X13		ROUND		
Special Feature	es													
Special Feature	es Comn	nent												
								- 4)						
Utility Attachme	ents				Ut	ilities (L	ocateo	at)						
Telephone							Gas							
Power							Munici	pal						
Others								m (Y/N)	No					
Remarks	CRETE	STRU		m SE CC	RNER) -Snow								
				Α	pproa	ch Road	d / Emb	ankment						
					Last	Now	Explar	Explanation of Condition						
Horizontal Align	nment				9	9	25mm	wide crac	ck in A.	C.P 3m East of	pipe.			
Vertical Alignme	ent				9	9								
Roadway Width	n (m)		9.000											
Embankment					N	Snow								
Sideslope (_:1)		4.0											
(Height of Co	ver (m) :	: 2.8)												
Guardrail (Y/N)			No											
Approach Roa	d / Emb	ankme	ent General Rat	ing	9	9								
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion				
Direction			N		NORT	NORTH								
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall			Х	X										
Collar					Х	Х								
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall					X	X								

			Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		4	N	(CORROSION WITH PITTING) Snow				
Heaving (mm)		•	.,					
Invert Above/Below Stream Bed	BELOW.							
Above/Below (mm)	450			-				
Scour Protection	1-30	N	N	snow covered				
(Type:)		14	114	Show covered				
(Avg. Rock Size (mm):)				_				
Scour/Erosion		N	N					
Scoul/Elosion		IN	l IN					
Beavers (Y/N)	No							
Upstream End General Rating		4	4	General Rating carried forward				
		Dui	dara Cu	Nort Powel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S							
		pan (IIIII	<i>i)</i> , №	nise (min). 1929, Type. Mr)				
Barrel Last Accessible Date	22-Jan-1999							
Special Features								
Special Feature				Ice to 400mm of roof @ U/S end- close to 300mm of roof @ midspan				
(Type:)								
Special Feature								
(Type:)		<u> </u>						
Roof		N	N	(ROOF FLATTENING UNDER ROAD SECTION IS				
Measured Rise (mm)	1325			ÀPPROXIMATELY 10 m LONG)				
Measured At Ring No.								
Sag (mm)	200							
Percent Sag				-				
Sidewall		N	N	(ROOF HAS 13.1% EST. SAG. SIDEWALLS HAVE 23.9%				
Measured Span (mm)	1890	- ' '		DEFLECTION.) 22/01/99				
Measured At Ring No.	1000			Roof appears flattened viewing from U/S end				
Deflection (mm)	365			-				
Percent Deflection	23			_				
Floor	20	N	N	(Both ends extended by 4m with 1600mm				
Bulge (mm)		IN	IN	CSP's) 990122				
Measured At Ring No.				_				
Abrasion (Y/N)				-				
Circumferential Seams		N	N1	/H AT II/S COURLED NO DIRT				
	230	IN	N	(H, AT U/S COUPLER, NO DIRT				
Separation (mm)	230			INCH TRATION COLUDES RETECTED (25)				
Longitudinal Seams		N	N	INFILTRATION COULD BE DETECTED (95)).				
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		N	N	(HEAVY RUST, NO PERFORATIONS).				
Corrosion By Soil (Y/N)		1,	.,	22/03/99				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Dending (V/N)	l NI-							
Ponding (Y/N)	No							

72761 -1 Bridge Culvert

		Brid	dae Cu	Ivert Barrel					
Culvert Component		1		Explanation of Condition					
(Pipe #: 1, Primary Span, Local	tion Code: MAIN, Spa	ın (mm): -,R	ise (mm): 1525, Type: MP)					
Fish Passage Adequacy		Х	Х						
Baffle			Х						
(Type:)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N) No									
Drift (Y/N)	No								
Barrel General Rating		2	2	GR carried forward					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		S		SOUTH					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	X						
Wingwalls		X	X						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		4	N	(CORROSION WITH PITTING)					
Heaving (mm)	50								
Invert Above/Below Stream Bed BELOW				ice and snow covered					
Above/Below (mm)	450		1						
Scour Protection		N	N	snow covered					
(Type:)									
(Avg. Rock Size (mm):)									
Scour/Erosion		N	N	snow covered					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	4	4	general rating carried forward					
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			9	800mm CSP DRAINS INTO CANAL FROM EAST. Secondary channel enters channel from the East 10m from d/s end					
Bank Stability		5	N	Snow					
HWM (m below Top of Culvert)									
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading AGGRADING									
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)				O.D. samilad farmand					
Channel General Rating			9	G.R. carried forward					

			Maintenance Red	commend	lations					
Inspector Recommendations	Year	ır lı	nspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION		0 F	Replace pipe							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 22.2	2/22.2	Sufficiency Rating (Last/N (%)	Rating (Last/Now) 41.8/42		1.8/42.1 Est. Repl. Yr 20		Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	eb.16/10- pipe	e is sc	sheduled for replacement in 2010.		Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Tim		Tim Davies Previo			s Assistant's Name					
Next Inspection Date	16-May-201	16-May-2013 Pi			ous Inspection Date 28-Feb-2007					
Inspection Cycle (Default) (months) 39										
Comment										