Bridge Culvert Inspection												
Bridge File Num	ge File Number 71717 -1 Bridge Culvert						Form Type		CUL1			
Year Built	1973	1973				Lot No.		3				
Bridge or Town N	Name MED	CINE HAT				Inspector Name		Tom Carey				
Located Over	TRIB	JTARY TO SEV	EN PERS	ONS C	REEK,	Inspect	or Class		BR CLS A			
Located On	3:16	C1 20.715	01			Assista	nt Name					
Water Body CL/	/ear	0120110				Assistant Class						
Navigabil. Cl./Year						Inspect	Inspection Date		11-Nov-2011			
Legal Land Location NW SEC 4 TWP 12 RGE 6 W4M					Data Entry By				Alyssa Boynton			
Longitude, Latitude -110:46:31, 49:58:12					Data Entry Date			!	07-Dec-2011			
Road Authority	a Transportation	ation (AIT)				Review Date		Garry Roberts				
Contract Main. Area CMA23				Dept. Reviewer Name			21-NOV-2011					
Clear Roadway/Skew 13 /						Dept. Review Date		Tim Davies				
AADT/Year 4,040 / 2010 (A			(A)				Dept. Review Date		15-Dec-2011			
Road Classificati	ion RAU	213-130				— Follow-Up Ву						
Detour Length (k	(m) 3											
Bridge Culvert Information												
Number of Culve	erts	1										
Pipe # E	Barrel	Span	Rise (or	Dia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape	
1 N	/IAIN	2465	1730		RPP		36		152X51	3.5,3.5,3.5	PIPE ARCH	
Special Features	6											
Special Features	Comment											
				1 14	ilition /l	opotod	ot)					
Litility Attachmen	ots			01	inties (L	ocaleu	atj					
Telephone		Gas 200m north				north						
Power	Laorin				Municir	Municipal						
Others	Fibre optics	in West R/W			Probler	Problem (Y/N) No						
Remarks	rks											
Approach Road / Embankment												
					Now	Explanation of Condition						
Horizontal Alignr			9	9	15mm wide crack in ACP, 5m south of							
Vertical Alignme			7	7	pipe							
Roadway Width (m) 13.000												
Embankment				7	7							
Sideslope (:	1)	5.0										
(Height of Cove	er(m) : <b>2.4</b> )											
Guardrail (Y/N)		No										
Approach Road	/ Embankn	ent General Ra	ting	7	7							
					Upstrea	am End						
Culvert Compor	nent			Last	Now	Explan	ation of	Condi	tion			
Direction		W		West.								
End Treatment ( Others, None)	Concrete, St	eel, STEEL										
Headwall			X	Х								
Collar				X	Х							
Wingwalls				X	Х							
(Shape : )												
Cutoff Wall			X	X								

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Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		6	6	(Some pitted rust - 951018).					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection			5	300mm erosion behind NW bevel side- minor					
(Type : <b>RIP RAP</b> )									
(Ava. Rock Size(mm) : <b>200</b> )									
Scour/Erosion			5						
Beavers (Y/N)	No								
Upstream End General Rating			5						
		Brid	dae Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	, Rise (mm): 1730, Type: RPP)								
Barrel Last Accessible Date	19-Apr-2006								
	2000								
Special Features									
Special Feature				Average 800mm water and silt in pipe. To 1/3 of the pipe.					
(Type:)				Shape adequate.					
Special Feature				-					
(Туре : )									
Roof		N	N						
Measured Rise (mm)	1690								
Measured At Ring No.	5								
Sag (mm)	40								
Percent Sag	2								
Sidewall		N	N						
Measured Span (mm)	2470								
Measured At Ring No.	5			-					
Deflection (mm)	5								
Percent Deflection				-					
Floor		N	N						
Bulge (mm)	0		IN						
Measured At Ring No									
Abrasion (Y/NI)	No								
Circumforontial Sooma		N	N						
Separation (mm)	0	IN	IN						
	U		N 1						
Total Ne. of Creaked Divers	0	N	IN						
Total No. of Rings with Two	U								
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (V/N)	No								
Longitudinal Stagger (Y/N) No			N 1	(Curporficial correction on the lower Lipt), 0000/04/40					
	Vac	N	N	Corrosion stains and alkali seen at sidewall.					
Corrosion By Soil (Y/N)	Yes			Pitting at sidewall.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	Yes								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	vert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			): 2465	, Rise (mm): 1730, Type: RPP)				
Fish Passage Adequacy			8					
Baffle			X					
(Туре : )								
Waterway Adequacy		6	6					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating			N					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		E		East.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar			X					
Wingwalls		X	X					
(Shape : )								
Cutoff Wall			X					
Bevel End		N	N	Ice to 0.8m of roof.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			Unable to see				
Above/Below (mm)	300							
Scour Protection		6	6	Heavily ingrown				
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : 150)								
Scour/Erosion			6					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	6	6	GR carried forward				
		S	tructur	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			6	Some minor erosion at SW. ((FULL U/S /94 - 940331)) 45 degree bend at U/S end.				
Bank Stability			6					
HWM (m below Top of Culvert)	0.6							
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			6					

Maintenance Recommendations												
Inspector Recommendations		/ear	Inspecto	r Comments		Department Com	ments	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		2012	Seal ACP									
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		5.6/55.6		Sufficiency Rating (Last/Now) (%)		57.9/56.9	.9/56.9 Est. Repl. Yr 2020		Maint. Reqd. (Y/N)		Yes	
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	Tom Car	rey			Previous	Assistant's Name						
Next Inspection Date 11		11-Aug-2013				evious Inspection Date 25-Jun-2010						
Inspection Cycle (Default) (months) 21												
Comment												