					Bridg	e C <u>ulve</u>	ert Inspe	ction						
Bridge File Number 02324 -1 Bridge Culvert							Form T			CUL1				
Year Built							Lot No.		2					
Bridge or Town Name STONY PLAIN							Inspector Name		Kris Bosters					
Located Over		2ND OR	DER TRIBUTA	RY TO N	ORTH	1	Inspector Class			BR CLS A				
		SASKATCHEWAN RIVER, 6.119.1, WATERCRS-ST					Assistant Name							
Located On		627:02 C1 32.166					Assistant Class		dition 20-Nov-2012 Corr. Profile PI./Slab Thickness Shape ELLIPSE ELLIPSE					
Water Body (N/Voar	027.02 C	51 52.100				Inspection Date			31-Oct-2012				
Navigabil. Cl.							Data Entry By		Theresa Lacu	sta				
Legal Land L		SE SEC	5 TWP 52 RG	E 2 W/5M			Data Entry Date			13-Nov-2012				
Longitude, La			32, 53:27:15				Reviewer Name		Eric Carcoux					
Road Authori			Fransportation				Review Date		04-Nov-2012					
Contract Mai	•	CMA11	ransportation	(/ (1 /)		Dept. Reviewer Nam			lame					
Clear Roadw			deg. (LHF)				eview Da	te	20-Nov-2012					
AADT/Year	ay/onew	1,430 / 2					Follow-	Follow-Up By						
Road Classifi	cation	RCU-209	. ,				-							
Detour Lengt		25												
Bridge Culve										I				
Number of C		1	1											
Pipe #	Barrel	5	-		Rise (or Dia.)			Length		Corr. Profile		Shape		
1	MAIN	1	1429	1575		SPE		83.5		152X51	2.8	ELLIPSE		
Special Featu	ures	E	BARREL ELBO	W										
Special Featu	ures Comi	ment \	V. Ellipse 1429	x1575										
-			-											
					Uti	lities (l	ocated	at)						
Utility Attachr	nents													
Telephone		Gas												
Power	2 wire	e, North r/w. Municipal												
Others							Problen	n (Y/N)	No					
Remarks														
		1	d / Embankment Explanation of Condition											
Horizontal Alignment					Lasi 7	7	East of BF 74085 - entrances each way.							
Vertical Alignment			5	5	80 KM design profile 70 km caution area. Crest curve in both directions, limited sight distance. No passing.									
Roadway Width (m) 9.200							signi dista	ince. I	to passing.					
Embankment					6	6								
Sideslope (4.0		0	0								
(Height of C		8.5)					-							
Guardrail (Y/			No											
Approach R	Approach Road / Embankment General Rating				5	5								
						Upstre	am End							
Culvert Com	ponent				Last	Now	1	ation of C	Condi	tion				
Direction			N											
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall					Х	Х								
Collar					X	X								
Collar														
Collar Wingwalls					X	x								

Alberta Transportation

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Cutoff Wall		X	X						
Bevel End		6	6						
Heaving (mm)	200								
Invert Above/Below Stream Bed									
Above/Below (mm)	50								
Scour Protection		5	5						
(Type : NATURAL)									
(Avg. Rock Size(mm) :)									
Scour/Erosion		5	5						
Beavers (Y/N)	Yes			u/s of bevel 1.5m high- photo					
Upstream End General Rating		5	5						
Culturent Community				Ivert Barrel					
Culvert Component	tion Code: MAINL C								
(Pipe # : 1, Primary Span, Loca		pan (mm): 1429						
Barrel Last Accessible Date	31-Oct-2012			Lat 3/4 not accessible due to depth of water. Shape looks good.					
Special Features									
Special Feature		7	7						
(Type : BARREL ELBOW)									
Special Feature									
(Туре :)									
Roof			7						
Measured Rise (mm)	1575								
Measured At Ring No.	15								
Sag (mm)	0								
Percent Sag	0								
Sidewall		7	7						
Measured Span (mm)	1430								
Measured At Ring No.	15								
Deflection (mm)	1								
Percent Deflection	0								
Floor		7	4	Isolated perforations(10mm) in floor R8photo					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	0			1					
Longitudinal Seams		7	7						
Total No. of Cracked Rings	0			1					
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)				1					
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No								
Coating		6	4	Rust at seepage at bolts holes, superficial on floor & sidewalls.					
Corrosion By Soil (Y/N)	Yes			Soil side isolated perforations in floor.					
	Yes			1					
Corrosion By Water (Y/N)	165								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

02324 -1 Bridge Culvert

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			
Ponding (Y/N)	No			
Fish Passage Adequacy		3	3	150mm drop @ outlet.
Baffle		X	X	Steel inlet, long pipe10-July-2009
(Type :)		^	^	
Waterway Adequacy		6	6	
Icing (Y/N)	No		U	
Silting (Y/N)	No			-
Drift (Y/N)	No			
Barrel General Rating		7	7	
Culvert Component			ownstr Now	eam End Explanation of Condition
Culvert Component Direction		Last S	NOW	
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)			~	
Cutoff Wall		X	X	
Bevel End	-	7	N	Water 300mm from crown.
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			-
Above/Below (mm)	150	-	N	Deale line diale and a line and a line and a
Scour Protection		5	N	Rock lined channel bottom10-Jul-2009
(Type : RIP RAP)				-
Scour/Erosion	(Avg. Rock Size(mm) : 200)		N	
		5		
Beavers (Y/N)	Yes			
Downstream End General Ratin	Downstream End General Rating		5	GR carried forward from 10-Jul-2009
	1	S	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)		7	7	
Alignment			<i>'</i>	
Bank Stability			7	
HWM (m below Top of Culvert)				
Drift (Y/N)	Yes			
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating			7	

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	r Comments		Department Com	iments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION		2012	Remove	dam.							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		77.8/77.8 S (%		Sufficiency Rating (Las (%)	t/Now)	59.3/59.3	Est. Repl. Yr	2033	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date		I	Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	rnold Assenheimer F				vious Assistant's Name						
Next Inspection Date 31		-2016			Previous	bus Inspection Date 10-Jul-2009					
Inspection Cycle (Default) (months) 39											
Comment											