					Brido	ie Culv	ert Inspe	ection						
Bridge File Number 73901 -1 Bridge Culvert			, , , , , , , , , , , , , , , , , , ,		Form Type			CUL1						
Year Built 1996			•				Lot No.			2				
Bridge or Tow	n Name	ST. PAU	ST. PAUL					Inspector Name		Wade Nanninga				
Located Over			WE CREEK, 6	6.14, WAT	ERCE	RS-ST	Inspector Class			BR CLS A				
Located On		29:10 C1		,			Assistant Name							
Water Body C	I./Year						Assistant Class							
Navigabil. Cl./Year						Inspection Date		10-Apr-2012						
		NW SEC 1 TWP 58 RGE 8 W4M					Data Entry By			Lisa Fairhurst				
		-111:04:04, 53:59:26						Data Entry Date		24-Apr-2012				
		Alberta Transportation (AIT)						Reviewer Name		Eric Carcoux				
Contract Main. Area		CMA08			Review Date		17-Apr-2012							
		11 /					Dept. Reviewer Name							
		1,700 / 20	011 (A)				Dept. Review Date		04-May-2012					
		RAU-211			Follow-Up By		01 may 2012							
Detour Length		5					1 Show op by							
Bridge Culve		ation					<u>'</u>							
Number of Cu		1												
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	-		3670		SP		40.2		152X51	3.0	ROUND		
Special Featu	res													
Special Featu	res Comi	ment												
					Ut	ilities (l	Located	at)						
Utility Attachn	nents						_							
Telephone							Gas							
Power					Municipal									
Others							Probler	Problem (Y/N) No						
Remarks														
				A			d / Embankment							
Horizontal Alig	anmont				Last 6	Now 6	Explanation of Condition Intersection 200m west.							
Vertical Alignr					6	6	Curve to the east on highway. Pipe located on bottom of sag.							
Roadway Wid					0	0								
Roadway Wid	iui (iii <i>)</i>													
Embankment					7 7									
		2.0	2.0			_								
(Height of C	over(m) :	2)												
Guardrail (Y/N	۷)		Yes					North rail is 150mm to lowphoto						
Approach Ro	oad / Eml	bankment	General Rat	ing	6	6								
						Upstre	am End							
Culvert Com	ponent				Last			ation of (Condi	tion				
Direction			N	<u>'</u>										
End Treatmer Others, None	nt (Concre	ete, Steel,	CONCRETE											
Headwall			8	8	Few ha	Few hairline cracks.								
Collar			7	7	Narrow transverse cracks - typ.									
Wingwalls			Х	X										
(Shape :)						1							
Cutoff Wall			N	N										
	Cuton wan													

Only and On the second				am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	1000			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			Ι.	
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	ı):	, Rise (mm): 3670, Type: SP)
Barrel Last Accessible Date	13-Nov-2006			+1.0m deep water - viewed from ends
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		6	N	(Nick in sidewall, 2nd ring from D/S end @ 10:00, west side.
Measured Span (mm)	3687		- 11	13/Nov/2006)
Measured At Ring No.	0001			
Deflection (mm)	17			(0.5%. 13/Nov/2006)
Percent Deflection	1			
Floor	'	N	N	+ 1.0m deep water
Bulge (mm)	0	IN	IN	1. T.om deep water
Measured At Ring No.	0			
Abrasion (Y/N)	No			
	INU	N.I.	N.I	
Circumferential Seams Separation (mm)	0	N	N	
<u> </u>	0	N.		
Longitudinal Seams	0	N	N	-
Total No. of Cracked Rings	0			1N stagger
Total No. of Rings with Two Cracked Seams				1N stagger.
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	Superficial corrosion at waterline
Corrosion By Soil (Y/N)	No			- Japanisa sonosin at Matorinion
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

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Bridge Culvert Barrel									
Culvert Component		Last Now		Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3670, Type: SP)					
Fish Passage Adequacy		8	8						
Baffle		N	N						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			N	Previously rated 6 based on 13Nov2006					
_		D	ownet	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		S	INOW	Explanation of Condition					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall			Х						
Collar			Х						
Wingwalls			X						
(Shape:)									
Cutoff Wall		X	X						
Bevel End			8						
Heaving (mm) 0									
Invert Above/Below Stream Bed BELOW									
Above/Below (mm) 1000									
Scour Protection		6	6	Approx 300 settlement along sides of bevel.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		6	6						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	6	6						
		S	tructu	re Usage					
		Last		Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7	Bends east D/S of the culvert.					
Bank Stability		8	8						
HWM (m below Top of Culvert)				No HWM visible.					
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		7	7						

			Maintenance R	ecommen	dations					
Inspector Recommendations	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS								3		
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION	2012	Raise g	uardrail to std height.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6/5	5.6	Sufficiency Rating (Last/Now) (%)		67.0/67.1	Est. Repl. Yr	2043	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Wade Nannin	ga		Assistant's Name						
Next Inspection Date	10-Jan-2014			Previous	Inspection Date					
Inspection Cycle (Default) (months)	21									
Comment										