								1997						
Prince Provided Provi		76998 -1	998 -1 Bridge Culvert					Form Type		CUL1				
							Lot No.			2				
Bridge or Town	Name	GRANDE	CACHE				·		Russel Vanderschaaf					
Located Over		HELLS C	CREEK, 8.10.5	8.34, WA	TERC	RS-ST	Inspector Class			BR CLS B				
Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SW SEC 2 Longitude, Latitude -119:09:21 Road Authority Alberta Tra Contract Main. Area CMA05 Clear Roadway/Skew 12.4 / 10 d AADT/Year 1,220 / 201 Road Classification RAU-211.8 Detour Length (km) 60 Bridge Culvert Information		7.323				Assistant Name								
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	'ear						Inspection Date		22-Aug-2012					
Legal Land Loc	cation	SW SEC	29 TWP 57 R	RGE 8 W6	M		Data Entry By		Theresa Lacus	sta				
Longitude, Latin	tude	-119:09:2	21, 53:57:04				Data E	ntry Date	!	25-Sep-2012				
Road Authority		Alberta T	ransportation	(AIT)			Review	er Name	!	Eric Carcoux				
Clear Roadway/Skew 12.4 / 10 de AADT/Year 1,220 / 201 Road Classification RAU-211.8 Detour Length (km) 60 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Spa 1 MAIN 466 Special Features CO						Review	/ Date		24-Sep-2012					
Clear Roadway/Skew 12.4 / 10 do AADT/Year 1,220 / 201 Road Classification RAU-211.8 Detour Length (km) 60 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Spa 1 MAIN 466 Special Features CO		deg. (RHF)				Dept. F	Reviewer	Name	David Morrison					
Clear Roadway/Skew 12.4 / 10 d AADT/Year 1,220 / 201 Road Classification RAU-211.8 Detour Length (km) 60 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp. 1 MAIN 466 Special Features CO		011 (A)				Dept. F	Review Da	ate	18-Dec-2012					
Detour Length (km) 60 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN 46		.8-110				Follow-Up By								
Detour Length (km) 60 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN 460 Special Features CO														
Bridge Culver	t Inform	nation												
Number of Culv	verts	1		ı										
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape		
1	MAIN	4	665	5608		RPE		55.5		152X51	4.0,4.0,4.0	ELLIPSE		
Special Feature	es	C	CONC FLOOR											
Special Feature	es Com	ment												
					114	:::4: /!	annt nei	-4 \						
Litility Attachme	onto				Οt	iitties (L	-ocateu	at)						
	31165						Coo		1					
									No					
							T TODICI	11 (1/14)	110					
Remains														
i i i i i i i i i i i i i i i i i i i														
Horizontal Align	nment				5									
					7	7								
			12.000											
Embankmont					0	0								
	.1\		5.0		0	0								
	· ·	. 1\	3.0				1							
`		. 1)	Voc				II/S on	d one no	et twiet	ed and not con	nected to wires	wire		
Guardiali (1/14)			162				discon	nected 6	locatio	ns	nected to wires	, wile		
							STEFL	POSTS	& 3 WI	IRE ROPE				
Approach Roa	d / Eml	bankmen	t General Rat	ing	5	5	OTELL		<u>u o 111</u>	III TOT L				
						Unstre	am End							
Culvert Comp	onent						1		Condi	tion				
Direction						1-1-1-1								
	(Concre	ete, Steel,	CONCRETE											
Headwall					8	8								
Collar		N	7											
Wingwalls			Х	Х										
(Shape:)														

76998 -1 Bridge Culvert

			Unctro	om End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	Explanation of Condition
Cuton wan		IN	IN	
Bevel End		N	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	7	
(Type : CONCRETE)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	7	
	I			
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Det	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna			
Barrel Last Accessible Date	22-Aug-2012	<u> </u>). 1 000	, ruse (mm). 3000, Type. Rt E)
Dailei Lasi Accessible Dale	22-Auy-2012			
Special Features				
Special Feature		N	7	Gravel covered and ice covered.
(Type : CONC FLOOR)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)				Estimated due to mud/silt/ice build up.
Measured At Ring No.	6			Listimated due to mad/silvice build up.
Sag (mm)	20			
Percent Sag	1			
Sidewall		8	8	
Measured Span (mm)	4685			
Measured At Ring No.	6			
Deflection (mm)	20			
Percent Deflection	1			
Floor		N	N	(CONCRETE covered.)
Bulge (mm)				<u>,</u>
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	7	Barrel sidewall is caked with mud 3m
Separation (mm)	0			high only rating seams on roof.
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			Only rating seams @ 11:00 to 1:00 due to mud.
Total No. of Rings with Two	-			
Cracked Seams				Continuous seams along roof at
Min. Remaining Steel Between Cracks (mm)				11:00 and 1:00.
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	No			
Coating		7	7	Sides covered with mud.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			Roof rated only.
Camber POS/ZERO/NEG	ZERO			

76998 -1 Bridge Culvert

		Dric	dao Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna			•				
Ponding (Y/N)	No	<u> </u>	<u>,</u>	, 11100 (mm)/ 0000, 1 / por 111 2/				
T Shalling (1714)	110							
Fish Passage Adequacy			4	Gravel on floor acting as barrier, scour at end pipe.May 25, 2007 1.4m drop at outlet25-Feb-2009				
Baffle		X	X					
(Type:)								
Waterway Adequacy		6	6	D/S end 2.5m deep.				
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N) No								
Barrel General Rating		8	8					
		_						
				ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction Comments Office	CONODETE	E						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	8					
Collar		N	N					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		N	N					
Bevel End		N	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)								
Scour Protection		N	3	2.1m drop at the end of the concrete apronphoto				
(Type : CONCRETE)		·						
(Avg. Rock Size(mm):)								
Scour/Erosion		N	3	2.1m drop at end of the concrete apron				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	3	3					
		S	tructu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)		Luci	11011	Z.planation of Containon				
Alignment		7	7					
J. Company								
				Deg D/S.				
Bank Stability		3	3	Banks sloughing d/s, 2.1m vertical bank-25-Feb-2009				
HWM (m below Top of Culvert)				NO HWM VISIBLE				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading				Deg D/S.				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :								
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·							
Channel General Rating		3	3	GR carried over-25-Feb-2009				
Chainlei General Nathing		,		OIL GUITIEU OVEI-ZU-I ED-ZUUJ				

			Maintenance Recom	mendations						
Inspector Recommendations	Year	Inspector Comme	nts	Department Cor	mments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2013	Install rock gabio concrete apron.	n drop structure at end	of						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 88.9/8	Sufficier (%)	ncy Rating (Last/Now)	63.5/63.4	Est. Repl. Yr	2043	Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection				Department Comments						
Maintenance Reviewed By				Date		Е	stimated Tota	I 0		
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Russel Vand	erschaaf	Pre	vious Assistant's Name	Assistant's Name					
Next Inspection Date	22-May-2014		Prev	vious Inspection Date	us Inspection Date 18-Nov-2010					
Inspection Cycle (Default) (months)	21									
Comment										