				=	Brida	e Culve	ert Inspe	ection						
Bridge File Nur	mber	76529 -1 Bridge Culvert						orm Type		CUL1				
Year Built/Line							Lot No.			2				
Bridge or Towr	Bridge or Town Name GRANDE CACHE						Inspect	or Name		Russel Vanderschaaf				
Located Over MASON CREEK, 8.10.58.31.5, V ST					ATE	RCRS-	Inspector Class			BR CLS B				
Located On		-	1 11.085					Assistant Name						
Water Body Cl.	./Year						Assistant Class							
Navigabil. Cl./Y							Inspection Date		22-Aug-2012					
Legal Land Loc		SW SEC	C 16 TWP 57 F	RGE 6 W6M	1		Data Entry By Data Entry Date			Theresa Lacusta				
Longitude, Lati			11, 53:55:34					ntry Date		25-Sep-2012				
Road Authority				rependentation (AIT)										
Contract Main.		CMA05		<u> </u>			Review			24-Sep-2012				
Clear Roadway			deg. (LHF)				· · · · · · · · · · · · · · · · · · ·			David Morrison	n			
AADT/Year	,	1,590 / 2			Dept. Review Da			ate	18-Dec-2012					
Road Classifica	ation	RAU-20			Follow-Up By									
Detour Length		400					_							
Bridge Culver	· · · ·									1				
Number of Culv			1											
Pipe #	Barrel	;	Span	Rise (or D	ia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
2	MAIN F	ULL	-	4200		MP		68.3		152X51	3.5	ROUND		
Special Feature	es					1				1				
Special Feature		nent												
opeoidi i editari														
					Uti	ilities (L	ocated	at)						
Utility Attachme	ents						1							
Telephone	elephone							Gas						
Power							Municipal							
Others							Probler	n (Y/N)	No					
Remarks														
							1	ankment						
				L				Explanation of Condition						
Horizontal Alig					6	6	No passing both ways. Log truck intersection 40 m east.							
Vertical Alignment					6	6								
Roadway Width	h (m)		8.000											
Embankment					5	5	Gullias	400x300	v100m	nm rocked & stable.				
Sideslope (:1) 3.0				5										
· · ·	,	7 3)	0.0				-							
(Height of Cover(m) : <b>7.3</b> ) Guardrail (Y/N) Yes														
Approach Roa	Approach Road / Embankment General Rating				6	6								
							am End							
Culvert Comp	.ast	st Now Explanation of Condition												
				5	5		-							
Direction End Treatment	t (Concre	ete, Stee	I, STEEL											
	t (Concre	ete, Stee	I, STEEL		X	Х								
End Treatment Others, None)	t (Concre	ete, Stee	I, STEEL		X	X	Concre	te spread	on sid	ded breaking up	o.May 24, 2007	,		
End Treatment Others, None) Headwall	t (Concre	ete, Stee	I, STEEL				Concre Under	te spread drift	on sid	ded breaking up	o.May 24, 2007	7		

Alberta Transportation

	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Cutoff Wall		N	N								
Bevel End			3	Under drift 50mm-300mm in diaphoto.							
Heaving (mm)	Heaving (mm)										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	300										
Scour Protection	1	N	7								
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : <b>300</b> )											
Scour/Erosion		N	7								
Beavers (Y/N)	No										
Upstream End General Rating			3								
		Bric	dge Cu	lvert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 4200, Type: MP)							
Barrel Last Accessible Date	22-Aug-2012										
Special Features											
Special Feature											
(Туре : )											
Special Feature											
(Type:)											
Roof		5	5	@ C/L							
Measured Rise (mm)	3938			Severed indentations from excess pressure pumping. Rated 8 as it is							
Measured At Ring No.				lined with concrete.							
	ag (mm) 262			Est. sag. due to silt(2000 deep)							
Percent Sag	6										
Sidewall		7	7	@ C/L							
Measured Span (mm)	4330										
Measured At Ring No.											
Deflection (mm)	130										
Percent Deflection	3										
Floor	-	N	5	Several inspection holes cut inot plate liner at 7:00 & 5:00.							
Bulge (mm)			U								
Measured At Ring No.											
Abrasion (Y/N)	No										
Circumferential Seams		N	4	Missing 1 bolt on d/s bevel.							
Separation (mm)											
Longitudinal Seams		N	5								
Total No. of Cracked Rings											
Total No. of Rings with Two Cracked Seams											
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	Yes										
Longitudinal Stagger (Y/N)	Yes										
Coating		Х	4	aBRASION FROM 5:00 - 7:00							
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes			1							
Camber POS/ZERO/NEG	NEG										

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		1	Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 4200, Type: MP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		4	4							
Baffle		X	Х							
(Type : )										
Waterway Adequacy		7	3	Large drift @ D/S end.						
Icing (Y/N)	Yes			+ u/s end blocking inletphoto						
Silting (Y/N)	No									
Drift (Y/N)	Yes									
Barrel General Rating		5	5							
		D	ownstr	ream End						
Culvert Component		1	Now	Explanation of Condition						
Direction		N								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		X	Х							
Wingwalls		X	X							
(Shape : )										
Cutoff Wall		Х	3							
Bevel End		4	3	Hanging for 2m-photo						
Heaving (mm) 0										
Invert Above/Below Stream Bed ABOVE										
Above/Below (mm) 300										
Scour Protection	1	4	3	Scour under bevel 2mLx4.6mWx.3m Dphoto.						
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>300</b> )										
Scour/Erosion		4	3	Scour under bevel 2mLx4.6mWx.3m Dphoto.						
Beavers (Y/N)	No									
Downstream End General Ratin	ng	4	3							
		Last	1	re Usage Explanation of Condition						
Channel (U/S and D/S)		Lasi	NOW							
Alignment			8							
Bank Stability			8							
HWM (m below Top of Culvert) 3.0				DRIFT LINE AT INLET END, HWM 2005/09/22)						
Drift (Y/N)	Yes			Large drift D/S						
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		8	8							

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					Maintenance R	ecommend	lations						
Inspector Recommendations			Year	Inspecto	r Comments		Department Comments					Est. Cost	Cat #
SHOTCRETE REPAIRS													
PLACE ADDITION	PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION		2013	from u/s	end								
INSTALL CONCR	ETE/STEEL LINING												
INSTALL STRUTS	6												
INSTALL CONCR	ETE COLLAR/CUTC	DFF											
REPAIR SEAMS													
OTHER ACTION	OTHER ACTION		2013	Repaor s undermir	scour under bevel on d/s er ned bevel.	nd +							
OTHER ACTION													
OTHER ACTION	OTHER ACTION												
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)					Sufficiency Rating (Last/ (%)	/Now)	51.6/35.8		Est. Repl. Yr 2025		Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	Comments for						Department Comments						
Maintenance Reviewed By							Date			E	Estimated Total	0	
Proposed Long-To	erm Strategy												
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Russe			Vanders	chaaf		Previous	s Assistant's Name						
Next Inspection D			22-May-2014 Previ				us Inspection Date 17-Nov-2010						
Inspection Cycle (	Default) (months)	21											
Comment													