				Brida	e Culve	ert Inspe	ection						
Bridge File Number	79750 -1	Bridge Culver				Form Type			CUL1				
Year Built	1982					Lot No.			4				
Bridge or Town Name	GRANDE	PRAIR							Russel Vanderschaaf				
Located Over	TRIBUTA		TI RIVER	,		Inspect	or Class		BR CLS B				
Located On	40:42 C1		Bridge Culvert Image Culvert PRAIR Image Culvert RY TO WAPITI RIVER, 4, WATERCRS-ST Image Culvert RAIR Image Culvert 28.057 Image Culvert 29.057 Image Culvert 44 TWP 70 RGE 6 W6W Image Culvert 11 (A) Image Culvert 41 (A) Image Culvert 11 (A) Image Culvert Image Culvert			Assistant Name							
Water Body CI./Year							nt Class		01 Aug 0010				
Navigabil. Cl./Year						· ·	ion Date		21-Aug-2012				
Legal Land Location	SW SEC	24 TWP 70 R	GE 6 W6I	M		Data E			Theresa Lacusta				
Longitude, Latitude	-118:46:4	19, 55:04:31					ntry Date er Name		24-Sep-2012 Eric Carcoux				
Road Authority	Alberta T	ransportation	(AIT)			Review			23-Sep-2012				
Contract Main. Area	CMA05							Steve Pasquan					
Clear Roadway/Skew	15.2 / 17 deg. (RHF)				Dept. Review Date			07-Jan-2013					
AADT/Year	2,640 / 20	2,640 / 2011 (A)				Follow-Up By		07-Jan-2013					
Road Classification	RAU-213	AU-213.4-120					Гопом-ор Бу						
Detour Length (km)	18												
Bridge Culvert Inform	nation												
Number of Culverts	1												
Pipe # Barrel	S	pan	Rise (or [Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	-		1524		SP		73.8		152X51	3.0	ROUND		
Special Features	В	ARREL ELBC	W										
Special Features Com	ment												
				114			-						
Utility Attachments				Οt	inties (L	ocated	at)						
Telephone						Gas							
Power						Municipal							
Others						Problem (Y/N) No							
Remarks													
rtomanto			An	proa	ch Road	l / Fmba	nkment						
							ation of		tion				
orizontal Alignment			7	7	Steep grade estimated at 7%.								
Vertical Alignment			6	6	No passing SB.								
Ŭ													
Roadway Width (m)		15.200											
Embankment		I		N	4	Frosion	ditch on	SF co	rner 0.5m deer) 1m wide 201	m long -		
Sideslope (:1)		3.0		14	-7	Erosion ditch on SE corner 0.5m deep, 1m wide, 20m long vegetated					iong.		
(Height of Cover(m)	; 7.6)	5.0											
Guardrail (Y/N)		Yes				North s	ide only.						
Approach Road / Em	bankment	General Rati	ng	6	6								
					Upstre	am End							
Culvert Component				Last		1	ation of	Condi	tion				
Direction				S									
End Treatment (Concr Others, None)	ete, Steel,	STEEL											
Headwall				Х	Х								
Collar				Х	Х								
Wingwalls				Х	Х								
(Shape :)													

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	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Cutoff Wall		Х	X								
Bevel End		N	7	Buildup of rock & debris in front of piling.							
Heaving (mm)	50										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	740										
Scour Protection		N	7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 200)											
Scour/Erosion		N	7								
Beavers (Y/N)	No										
Upstream End General Rating		7	7								
		Brid	dge Cu	lvert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):		, Rise (mm): 1524, Type: SP)							
Barrel Last Accessible Date	21-Aug-2012										
Special Features											
Special Feature		N	7	Elbow @ R3 & 4 rings from D/S end. May 27, 2007							
(Type : BARREL ELBOW)											
Special Feature											
(Туре :)											
Roof		N	7								
Measured Rise (mm)	1519										
Measured At Ring No.	11										
Sag (mm)	5										
Percent Sag	1										
Sidewall		N	7								
Measured Span (mm)	1502										
Measured At Ring No.	11										
Deflection (mm)	22										
Percent Deflection	1										
Floor		N	7								
Bulge (mm)	0										
Measured At Ring No.	11										
Abrasion (Y/N)	Yes										
Circumferential Seams		N	7								
Separation (mm)	0										
Longitudinal Seams	0	N	7								
Total No. of Cracked Rings	0		1								
Total No. of Rings with Two	0										
Cracked Seams											
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	No										
Longitudinal Stagger (Y/N) No			_								
Coating		N	4	Superficial rust on 700mm wide strip of floor.							
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	ZERO										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

79750 -1 Bridge Culvert

		Brid	d <u>ge Cu</u>	Ivert Barrel					
Culvert Component			Now						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			ı):	, Rise (mm): 1524, Type: SP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		4	4	Too steep.					
Baffle		X	X						
(Type :)									
Waterway Adequacy		5	5	Icing to top of crown01-Mar-2009					
Icing (Y/N)	Yes			Build up of rock at d/s elbow-half the pipe diameter full 2-3 rings					
Silting (Y/N)	Yes			photo					
Drift (Y/N)	No								
Barrel General Rating		N	7						
		D	ownst	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		Ν							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		X	Х						
Wingwalls		X	X						
(Shape :)									
Cutoff Wall		X	Х						
Bevel End		N	7						
Heaving (mm)	250								
Invert Above/Below Stream Bed				_					
Above/Below (mm)	0								
Scour Protection		N	7	_					
(Type : RIP RAP)				_					
(Avg. Rock Size(mm) : 200)			1						
Scour/Erosion		N	7						
Beavers (Y/N)	No								
Downstream End General Ration	ng	7	7						
				re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		7	7						
Alignment									
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading				D/S only May 27, 2007.					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :									
Channel General Rating		7	7						

Maintenance Recommendations											
Inspector Recommendations		ear	Inspector Comments		Department Comr	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											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 55	5.6/77.8	Sufficiency Rating (Last/N (%)	ow) t	51.2/61.3 Est. Repl. Yr 2027		2027	Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date	Estimated Total 0					
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Russel Vanderscha			chaaf	Assistant's Name							
Next Inspection Date 21-Ma		1-May-2014			Previous Inspection Date 24-Nov-2010						
Inspection Cycle (Default) (months) 21											
Comment											