				В	riage	Cuive	ert Inspe	ection					
Bridge File Number 70516 -1 Bridge Culvert				rt			Form Type		CUL1				
Year Built		1998				Lot No.		4					
Bridge or Town	Name	GRANDE PRAIR					Inspector Name		Brian Pientsch				
Located Over TRIBUTARY TO BEAR RIVER, 8.10.58.18.2.4, WATERCRS-ST				R RIVER, RCRS-ST			Inspector Class Assistant Name		BR CLS A Brian Cote				
Located On 43:02 R1 34.668;43:02 L1 34.64				2 L1 34.644					Brian Cole				
Water Body CI./Year							Assistant Class		04 htt 2011				
Navigabil. Cl./Ye	ear						Inspection Date			04-Jul-2011			
Legal Land Location SE SEC 25 TWP 71 RGE 7 W6							Data Entry By		Theresa Lacusta				
Longitude, Latitude -118:55:26, 55:10:14							Data Entry Date Reviewer Name		15-Aug-2011				
Road Authority Alberta Transportation (AIT)				(AIT))				Arnold Assenheimer				
Contract Main. Area CMA05							Review Date		13-Jul-2011				
Clear Roadway/Skew 18.4 /							Dept. Reviewer Name		· · · · · · · · · · · · · · · · · · ·				
AADT/Year		9,840 /	2010 (A)		1		Dept. Review Date Follow-Up By		16-Nov-2011				
Road Classificat	tion		2.4-120				Follow-	ор ву					
Detour Length (F	km)	1					-						
Bridge Culvert	,	ation					1						
Number of Culve			1										
Pipe #	Barrel		Span	Rise (or Dia	a.) ⁻	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2700		MP		67	125X26	3.5	ROUND		
Special Features	s												
Special Features	s Comr	ment											
					Utili	ities (L	ocated	at)					
Utility Attachmer	nts												
Telephone	North	of hwy.					Gas						
Power	3 o/h l	between	between hwy and service road.					Municipal					
							munici	Dai					
Others								m (Y/N)					
							Probler	m (Y/N)					
					roac	h Road	Probler						
Remarks				Арр			Probler d / Emba	m (Y/N) ankment ation of Cond					
Remarks Horizontal Align				Арр			Probler d / Emba Explan	m (Y/N) ankment ation of Cond est of RR 70. Tu	urning lane E &	W Bound.			
Remarks Horizontal Align				Арр		Now	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Alignre Vertical Alignme	ent			Арр	ast 7	Now 7	Problem J Emba Explan Just we Roadw 18.4m	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Alignre Vertical Alignme	ent		39.100	Арр	ast 7	Now 7	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width	ent		39.100	Арр	ast 7	Now 7	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width	ent (m)			Арр	ast 7 8	Now 7 8	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment	ent (m) :1)	1)	39.100	Арр	ast 7 8	Now 7 8	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov	ent (m) :1)	1)	39.100	Арр	ast 7 8	Now 7 8	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N)	ent (m) :1) /er(m) :		39.100 5.0 No		ast 7 8	Now 7 8	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N)	ent (m) :1) /er(m) :		39.100 5.0 No		ast 7 8 7 7 7	Now 7 8 7 7 7	Problem Explan Just we Roadw 18.4m 5:1 or 6	m (Y/N) ankment ation of Cond est of RR 70. Tu ay width 20.7m N. lanes (W-bo 3:1 sideslopes a	urning lane E & S. lanes (E-bo und)	W Bound. und)			
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N) Approach Roac	ent (m) :1) /er(m) : d / Emt		39.100 5.0 No	App La	ast 7 8 7 7 7	Now 7 8 7 7 7	Problem Explan Just we Roadw 18.4m 5:1 or 6 c/l.	m (Y/N) ankment ation of Cond est of RR 70. To ay width 20.7m N. lanes (W-bo S:1 sideslopes a S:1 sideslopes a	urning lane E & S. lanes (E-bor und) along median	und)			
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N) Approach Roac Culvert Compo	ent (m) :1) /er(m) : d / Emt		39.100 5.0 No	App La	ast 7 8 7 7 7 7 8	Now 7 8 7 7 Jpstre	Problem Explan Just we Roadw 18.4m 5:1 or 6 c/l.	m (Y/N) ankment ation of Cond est of RR 70. To ay width 20.7m N. lanes (W-bo S:1 sideslopes a S:1 sideslopes a	urning lane E & S. lanes (E-bor und) along median	und)	et of u/s culvert.		
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N) Approach Roac Culvert Compo Direction End Treatment (ent (m) :1) /er(m) : d / Emb	oankme	39.100 5.0 No nt General Rat	App La i i i i i i i i i i i i i i i i i i	ast 7 8 7 7 7 7 8	Now 7 8 7 7 Jpstre	Problem Explan Just we Roadw 18.4m 5:1 or 6 c/l.	m (Y/N) ankment ation of Cond est of RR 70. To ay width 20.7m N. lanes (W-bo S:1 sideslopes a S:1 sideslopes a	urning lane E & S. lanes (E-bor und) along median	und)	et of u/s culvert.		
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N) Approach Road Culvert Compo Direction End Treatment (Others, None)	ent (m) :1) /er(m) : d / Emb	oankme	39.100 5.0 No nt General Rat	App La ing La ing	ast 7 8 7 7 7 7 8	Now 7 8 7 7 Jpstre	Problem Explan Just we Roadw 18.4m 5:1 or 6 c/l.	m (Y/N) ankment ation of Cond est of RR 70. To ay width 20.7m N. lanes (W-bo S:1 sideslopes a S:1 sideslopes a	urning lane E & S. lanes (E-bor und) along median	und)	et of u/s culvert.		
Remarks Horizontal Align Vertical Alignme Roadway Width Embankment Sideslope (: (Height of Cov Guardrail (Y/N) Approach Roac Culvert Compo Direction End Treatment (Others, None) Headwall	ent (m) :1) /er(m) : d / Emb	oankme	39.100 5.0 No nt General Rat	App La description description ting ting La N	ast 7 8 7 7 7 ast	Now 7 8 7 7 Jpstre Now	Problem Explan Just we Roadw 18.4m 5:1 or 6 c/l.	m (Y/N) ankment ation of Cond est of RR 70. To ay width 20.7m N. lanes (W-bo S:1 sideslopes a S:1 sideslopes a	urning lane E & S. lanes (E-bor und) along median	und)	et of u/s culvert.		
Sideslope (:	ent (m) :1) /er(m) : d / Emb	oankme	39.100 5.0 No nt General Rat	App La 	ast 7 8 7 7 7 7 8 8 7 7 8 8 7 7 8 7 7 8	Now 7 8 7 7 7 Jpstre Now	Problem Explan Just we Roadw 18.4m 5:1 or 6 c/l.	m (Y/N) ankment ation of Cond est of RR 70. To ay width 20.7m N. lanes (W-bo S:1 sideslopes a S:1 sideslopes a	urning lane E & S. lanes (E-bor und) along median	und)	et of u/s culvert.		

Alberta Transportation

	1		Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Cutoff Wall		Х	X					
Bevel End			8					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		8	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Upstream End General Rating		8	8					
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2700, Type: MP)				
Barrel Last Accessible Date	27-Jul-2011							
Special Features								
Special Feature								
(Туре :)								
Special Feature								
(Туре :)								
Roof		8	8					
Measured Rise (mm)	2675							
Measured At Ring No.	47							
Sag (mm)	25							
Percent Sag	1							
Sidewall		8	8					
Measured Span (mm)	2725							
Measured At Ring No.	4							
Deflection (mm)	25							
Percent Deflection	1							
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	40							
Longitudinal Seams		Х	X					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating		7	7					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	No							
Camber POS/ZERO/NEG	ZERO							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	Ivert Barrel					
Culvert Component		1	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2700, Type: MP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		8	8						
Baffle		X	X						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No			-					
Drift (Y/N)	No								
Barrel General Rating		8	8						
			ownoti						
Culvert Component		Last	Now	eam End Explanation of Condition					
Direction		S	1100						
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	Х						
Collar		X	X						
Wingwalls		Х	X						
(Shape :)									
Cutoff Wall		X	X						
Bevel End		8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ration	ng	7	7						
		S	structu	re Usage					
		1	Now	Explanation of Condition					
Channel (U/S and D/S)	·								
Alignment		8	8						
Bank Stability			8						
HWM (m below Top of Culvert)				HWM not visible					
Drift (Y/N)	No								
Channel Bottom	NONE								
Degrading/Aggrading				-					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :				-					
(Fish Compensation Measure 2 :	NONE)	0	0						
Channel General Rating		8	8						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	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/Now) (%)		88.9/88.9	9 Sufficiency Rating (Last/No (%)	ow) 8	36.4/86.5	Est. Repl. Yr 2047		Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection			Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Eric Ca	arcoux		Assistant's Name							
		-2013		Previous I	s Inspection Date 27-Feb-2008						
Inspection Cycle (Default) (months)	21		· · · · · · · · · · · · · · · · · · ·								
Comment											