Bidge File Number 7464 - 2 Bridge Culvert 2007						3rida	e Culve	ert Insp	ection						
Vacar Built				_ `				CUL1							
Bridge or Town Name															
Located Over	Bridge or Town Name GRANDE PRAIRIE														
S. 10.58.18.2.4.1. WATERCRS-ST Assistant Name Assistant Class Water Body CL/Year Navigabil. CL/Year Navigabil. CL/Year Data Entry By Theresa Lacusta Inspection Date O3-May-2010 Data Entry By Theresa Lacusta Data Entry By Theresa Lacusta Data Entry By Data Entry Data O7-Jun-2010 Data Entry Data O7-Jun-2010 Data Entry Data O7-Jun-2010 O7-Jun-2010 Data Entry Data Data Entry Data O7-Jun-2010 Data Entry Data Dat				ORDER TRIBUTARY TO BEAR RIVER,											
Value			8.10.58.	18.2.4.1, WAT	ERCRS-S	Γ		·							
Navigabil: CL/Year Contract Nation Contrac	Located On		668:02 C	21 1.458											
Navigabil CI/Year Lagal Land Location Lagal Land Location Longitude, Latitude -118-47:52.55:06:45 SEC 2 TWP 71 RGE 6 W6M Data Entry Date O7-Jun-2010 O7-	Water Body CI./Y	'ear									03-May-2010				
Legal Land Location SE SEC 2 TWP 71 RGE 6 W6M Data Entry Date 07-Jun-2010	Navigabil. Cl./Year							·			sta				
Longitude Latitude Contract Main Area CMA05 Review Pale Arnold Assenheimer Review Male Arnold Assenheimer Review Male O7-Jun-2010	Legal Land Location SE SEC 2 T			2 TWP 71 RG	TIME 71 DOE 6 MAN										
Contract Main. Area CMA05 Clear Roadway/Skew 8.6 / s deg. (LHF) Dept. Reviewer Name Steve Pasquan	Longitude, Latitud	de	-118:47:	52 55:06:45											
Clear Roadway/Skew 8.6 / -5 deg. (LHF) Dept. Review Paraguan Size Paraguan Seve Paraguan	Road Authority		Alberta 7	Fransportation											
Dept. Review Date 18-Aug-2010 18-Aug-2	Contract Main. A	rea	CMA05	-				Dept. Reviewer Name							
AADTYPEAR 3,630 / 2009 (A) Follow-Up By	Clear Roadway/S	Skew	8.6 / -5 c	deg. (LHF)	eg. (LHF)						·				
Road Classification RAU-209-110 Detour Length (km) S Embankment S S S S S S S S S	AADT/Year		3,630 / 2	2009 (A)				·							
Bridge Culvert Information	Road Classification	on	RAU-209	9-110				. Onow Op by							
Number of Culverts	Detour Length (ki	m)	5												
Pipe # Barrel	Bridge Culvert II	nform	ation												
MAIN	Number of Culve	rts	1	1	1						I				
Utility Attachments	Pipe # B	Barrel		Span	Rise (or D	Dia.) Type			Length		Corr. Profile		Shape		
Utility Attachments	1 N	MIAN	-	•	2200		MP	34			125X26	2.8	ROUND		
Utility Attachments	Special Features	;													
Utility Attachments	Special Features	Comr	nent												
Utility Attachments						117			- 4)						
Telephone	Littlitus Attachman	4-				Ut	llitles (L	.ocated	at)						
No			c D/M					Cas		4 000	linos N P/M				
Problem (Y/N) No										4 yas	IIIIes IV IV				
Remarks Z Fibre Optic lines S R/W		3 17/11	v - / Wire							No					
Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment 8 8 8 Vertical Alignment 8 8 8 Roadway Width (m) 9.500 Embankment 8 8 8 Sideslope (_:1) 5.0 (Height of Cover(m) : 1.3) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Alignment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, STEEL) Headwall X X X		7 Fibr	e Ontic lir	nes S R/W				1 TODICI	11 (1/14)	INO					
Last Now Explanation of Condition	Remarks	21101	c Optio iii	103 0 1000	An	proac	ch Road	l / Emb	ankment						
Horizontal Alignment Vertical Alignment 8 8 8 Roadway Width (m) 9.500 Embankment Sideslope (_:1) (Height of Cover(m): 1.3) Guardrail (Y/N) Approach Road / Embankment General Rating Vertical Alignment 8 8 8 8 8 Aligment Upstream End Culvert Component Direction Direction S End Treatment (Concrete, Steel, Others, None) Headwall X X															
Vertical Alignment 8 8 8 Roadway Width (m) 9.500 Embankment 8 8 8 Sideslope (_:1) 5.0 (Height of Cover(m): 1.3) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Aligment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) Headwall X X X	Horizontal Alignm	nent				8		Entrance west 50m.							
Embankment 8 8 8 Sideslope (_:1) 5.0 (Height of Cover(m) : 1.3) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Aligment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) Headwall X X X		•				8	8								
Embankment 8 8 8 Sideslope (_:1) 5.0 (Height of Cover(m) : 1.3) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Aligment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) Headwall X X X	vortical / iligrimorit														
Embankment 8 8 8 Sideslope (_:1) 5.0 (Height of Cover(m) : 1.3) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Aligment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) Headwall X X X				0.500											
Sideslope (_:1)	Roadway Width ((m)		9.500											
Sideslope (_:1)	Embankment					8 8									
(Height of Cover(m): 1.3) Guardrail (Y/N) Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition Direction End Treatment (Concrete, Steel, Others, None) Headwall X X		1)		5.0				1							
Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Aligment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X			1.3)												
Approach Road / Embankment General Rating 8 8 Aligment Upstream End Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X			,	No											
Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) X X X	. ,														
Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X	Approach Road / Embankment G		t General Rat	ing	8	8	Aligme	nt							
Culvert Component Last Now Explanation of Condition Direction S End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X							Unetre	am End							
Direction S End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X	Culvert Compon	nent				ast				Condi	tion				
End Treatment (Concrete, Steel, Others, None) Headwall X X	_									2 3 1 WI					
Headwall X X	End Treatment (0	Concre	ete, Steel	, STEEL											
Collar X X						Х	Х								
	Collar				Х	X									
Wingwalls X X					X	X									
(Shape:)	(Shape:)														

78146 -2 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	
Bevel End		9	9	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	360			
Scour Protection	1 2 2	8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		8	8	
Beavers (Y/N)				
Upstream End General Rating		9	8	
opensum zna ceneral manng				
				Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	05-Oct-2007			Water 700-800mm high, could not access pipe. Shape looks good as viewed from ends.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	N	
Measured Rise (mm)	2243			
Measured At Ring No.	1			
Sag (mm)	43			
Percent Sag	0			
Sidewall		8	N	
Measured Span (mm)	2143			
Measured At Ring No.	4			
Deflection (mm)	0			
Percent Deflection	3			
Floor		8	N	
Bulge (mm)	0			
Measured At Ring No.	2			
Abrasion (Y/N)	No			
Circumferential Seams		8	N	
Separation (mm)	20			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		9	N	
Corrosion By Soil (Y/N)	No		.,	
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

78146 -2 Bridge Culvert

		Bric	lge Cu	Ivert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2200, Type: MP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		8	8					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		8	8					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		8	N	GR 8- 05-Oct-2007				
		D	ownstr	ream End				
Culvert Component		Last		Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		8	8					
Heaving (mm)								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm) 450								
Scour Protection		8	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 250)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	8	8					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		1						
Alignment		8	8					
Bank Stability		8	8					
HWM (m below Top of Culvert)				HWM not visble.				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading DEGRADING								
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		8	8					

		Maintenance	e Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS				·					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 88.9/5	5.6 Sufficiency Rating (La	ast/Now)	88.4/69.3	Est. Repl. Yr	2052 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy								,	
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Michael Bird		Previous	Assistant's Name					
Next Inspection Date	03-Aug-2013		Previous	Inspection Date	05-Oct-2007				
Inspection Cycle (Default) (months)	39								
Comment									