	Accepted Over WHITEMUD CRE Located Over TRIBUTARY TO LITTLE SMOKY RIVER, 8.10.58.7.1, WATERCRS-ST Located On 676:04 C1 0.593 Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Alberta Transportation (AIT) Contract Main. Area CMA03 Clear Roadway/Skew 9 / -12 deg. (LHF) AADT/Year 180 / 2011 (A) Bridge or Town Name WHITEMUD CRE Inspector Name Brian Pientsch Inspector Class BR CLS A Assistant Name Lisbeth Medina Assistant Class Inspection Date 02-Feb-2011 Data Entry By Janie Assenheimer Data Entry Date 24-Feb-2011 Reviewer Name Arnold Assenheimer Review Date 22-Feb-2011 Dept. Reviewer Name Steve Pasquan Dept. Review Date 21-Nov-2011 Follow-Up By Detour Length (km) 6												
Bridge File Number 77308 -		_							CUL1				
Year Built Bridge or Town Name Located Over TRIBUTAR 8.10.58.7.1 Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Bridge Culvert Information Number of Culverts MAIN - TRIBUTAR 8.10.58.7.1 C7.04 C1 WHITEMU HID CT. ARIBUTAR 8.10.58.7.1 ETRIBUTAR 8.10.58.7.1 SW SEC 6 Longitude, Latitude -117:33:42 ROAD Alberta Tra CMA03 Clear Roadway/Skew 9 / -12 deg AADT/Year ROU-209-1 Detour Length (km) Bridge Culvert Information Number of Culverts 1 MAIN MAIN -							Lot No.			2			
Bridge or Town	Name	WHITE	MUD CRE				Inspec						
Located Over		TRIBU	TARY TO LITTL	E SMOK	Y RIVI	ĒR,							
Located On			•							Lisbeth Medin	a		
	-	0.0.0.	<u> </u>										
Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Bridge Culvert Information Number of Culverts 1 MAIN - Navigabil. CI./Year SW SEC 6 CMA03 CHACA CMA03 CHACA CMA03 CLEAR ABDT/Year Barrel Sp. MAIN -		C 6 TWP 75 RC	GE 23 W5	M									
								•					
			•	(AIT)									
			•	()									
										·	n		
Pear Built Bridge or Town Name WHITEMU Located Over TRIBUTA 8.10.58.7. Located On Water Body Cl./Year Navigabil. Cl./Year Legal Land Location Longitude, Latitude Road Authority Alberta Tr Contract Main. Area CMA03 Clear Roadway/Skew 9 / -12 de AADT/Year Road Classification RCU-209- Detour Length (km) Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Special Features VI Special Features Comment Utility Attachments Telephone 20 m south of c.I. Power 20 m N. of c.I 2									21-Nov-2011				
Bridge or Town Name Uncated Over State Sta							Follow-Up By						
Detour Length (km)	6					-						
Number of Culv	erts		1										
Pipe #	Barrel		Span	Rise (or [Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	2000		MP		35		125X26	2.8	ROUND	
Special Feature	s		VERT STEEL S	STRUTS		1		1		1	-		
		nent	-										
					Uti	lities (L	ocated	at)					
	T '								I				
-			-				Gas						
	20 m N	N. of c.l.	1 wire OH				Munici		 				
							Proble	m (Y/N)	No				
Remarks				Δ.	20100	h Door	l / Emb	ankmant					
Approach Road / Embankment Last Now Explanation of Condition													
Horizontal Align	ment				7	7		ence 50m					
					8	reside							
Roadway Width	(m)		9.000										
Embankment					5	5	(5m x	1.3m x 1.3	3m cra	ck west of culve	ert		
	:1)		4.0				(Photo) Oct 23, 2007) Snow covered.						
	· ·	1.8)					-						
	- ()		No										
Approach Road	d / Emb	ankme	ent General Rat	ing	7	7							
						Upstre	am Enc						
Culvert Compo	nent				Last	Now		nation of	Condi	tion			
Direction													
End Treatment (Others, None)	(Concre	ete, Stee	el, CONCRETE										
Headwall					N	6							
Collar					7	N	Under	ice.					
Wingwalls					Х	Х							
(Shape:)													
Cutoff Wall					N	N							

77308 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	Rating based on 40% visibility.
Heaving (mm)	200			raming sacca on 1070 noising.
Invert Above/Below Stream Bed				
Above/Below (mm)	200			
Scour Protection	200	6	5	
(Type : RIP RAP)		0	J	
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	5	
SCOUI/ETOSIOTI		0	5	
Beavers (Y/N)	Yes			
Upstream End General Rating		6	5	
		Brid	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			, Rise (mm): 2000, Type: MP)
Barrel Last Accessible Date	02-Feb-2011		•	
Special Features				
Special Feature		6	6	
(Type : VERT STEEL STRUTS)		Ü	, ,	
Special Feature				
(Type:)				-
Roof		3	3	
Measured Rise (mm)	1720	3	<u> </u>	Measurements not taken due to ice on floor.
	1720			At c.l.
Measured At Ring No.	280			Est.
Sag (mm)				
Percent Sag	14			
Sidewall	0000	3	3	
Measured Span (mm)	2262			@ c.l.
Measured At Ring No.				
Deflection (mm)	262			
Percent Deflection	13		1	
Floor		6	N	Under ice.
Bulge (mm)	0			@ c.l.
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		5	5	
Separation (mm)	110			
Longitudinal Seams		X	X	
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		6	6	Minor superficial. 5 - 7 o'clock.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

77308 -1 Bridge Culvert

		Brid	lge Cu	Ivert Barrel				
Culvert Component La				Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2000, Type: MP)				
Fish Passage Adequacy		3	3	Outlet above S.B.				
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		3	3	Drift caught at C/L				
Icing (Y/N)	No			D.S. scour hole.				
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		5	4	Struts in place.				
		D	ownstr	ream End				
Culvert Component		Last		Explanation of Condition				
Direction				(NORTH)				
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	X					
Bevel End		5	5	Bevel unsupported for 1.2m.				
Heaving (mm)	100							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	900							
Scour Protection		3	3	Scour hole 4m x 10m x 1.3m.				
(Type : RIP RAP)				Few rocks on east side - scour protection not sufficient.				
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		3	3	Scour hole 4m x 10m x 1.3m.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	3	3					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		6	6					
Bank Stability		5	5					
HWM (m below Top of Culvert)	0.0			HWM not visible.				
Drift (Y/N) Yes				Drift on crown. Beaver cuttings u/s channel.				
· · · ·				5m from u/s end.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	6					

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comr	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		•		<u> </u>					
PLACE ADDITIONAL RIP RAP	2011	30m3 CL II							
REMOVE DRIFT ACCUMULATION	2011								
INSTALL CONCRETE/STEEL LINING	i								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/44	.4 Sufficiency Rating (Las	t/Now)	41.6/36.3	Est. Repl. Yr	2027 Maint. Re		qd. (Y/N)	Yes
Special Monitor culvert deflection Next Inspection	ections.			Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	1 0	
Proposed Long-Term Strategy								_	
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Eric Carcoux		Assistant's Name						
Next Inspection Date	02-May-2014		Previous	Inspection Date					
Inspection Cycle (Default) (months)	39								
Comment									