Bridge Culvert Inspection														
Bridge File Nun	Jumber 82256 E-1 Bridge Culvert						Form Type			CUL1				
Year Built	2000 n Name FOX CREEK						Lot No.			2				
Bridge or Town	Name F	OX CRI	EEK				Inspector Name		Russel Vanderschaaf					
Located Over	W	ATERC	COURSE, WA	TERCRS	-NI		Inspector Class		BR CLS B					
Located On	43	3:12 R1	8.961				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	'ear						Inspection Date			28-Nov-2012				
Legal Land Loc	ation N	W SEC	C 7 TWP 62 RGE 18 W5M				Data Entry By			Theresa Lacusta				
Longitude, Latit	tude -1	16:41:2	27, 54:21:11				Data Entry Date			17-Dec-2012				
Road Authority	AI	lberta T	ransportation	(AIT)			Reviewer Name		Eric Carcoux					
Contract Main.	Area Cl	MA03					Review	Review Date		17-Dec-2012				
Clear Roadway	/Skew 12	2.4 / -24	deg. (LHF)				Dept. Reviewer Name							
AADT/Year	AADT/Year 6,330 / 20		2011 (A)				Dept. Review Date		03-Jan-2013					
Road Classifica	Road Classification RAD-412						Follow-Up By							
Detour Length	(km) 1						,							
Bridge Culvert Information														
Number of Culverts 1														
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2700		MP		63		125X26	2.8	ROUND		
Special Feature	es											·		
Special Feature	es Comme	ent												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents						-							
Telephone							Gas							
Power	5 W o/h	N r/w.				Munici								
Others				Proble	n (Y/N)	No								
Remarks														
Approach Road / Embankment														
						Now	Explanation of Condition							
Horizontal Alignment Vertical Alignment			7	7	Long shallow sag.									
vertical Alignme	ent				8	8								
Roadway Width (m) 12.600														
Embankment					N	N	& X 2 X 1m erosion scour NE ditch 06-May-2009							
Sideslope (:1)			4.0			1								
(Height of Co		)	-				Show (	overed.						
Guardrail (Y/N)		/	No											
						ļ								
Approach Roa	ld / Embar	nkment	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	onent				Last	Now	1	ation of	Condi	tion				
Direction					W									
End Treatment Others, None)	(Concrete	e, Steel,	, CONCRETE											
Headwall					8	8								
Collar				7 N			Snow covered.							

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	1		Upstre	am End							
Culvert Component		Last Now		Explanation of Condition							
Wingwalls		X	X								
(Shape : )			1								
Cutoff Wall		N	N								
Bevel End		N	7								
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm)	200										
Scour Protection		N	N	Snow covered.							
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		N	N	Snow covered.							
Beavers (Y/N)	No										
Upstream End General Rating		7	7								
		Dut		Ivort Porrol							
Culvert Component		Last		Ivert Barrel Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN Sna			, Rise (mm): 2700, Type: MP)							
Barrel Last Accessible Date			<u>).</u>	Ice 2.2m from crown							
Barrei Last Accessible Date	28-Nov-2012			ice 2.2m from crown							
Special Features											
Special Feature											
(Type:)											
Special Feature											
(Туре : )											
Roof		N	7	Construction damage at 12:00 27m from u/s end 2.7m long.							
Measured Rise (mm)	2700			Couldn't measure due to ice, estimated.							
Measured At Ring No.											
Sag (mm)											
Percent Sag											
Sidewall		N	7	@ c/l							
Measured Span (mm)	2700			Construction damage at 9:00, 27m from u/s end. 2.7m long + @ 4:00 15m from u/s end 2m long.							
Measured At Ring No.											
Deflection (mm)											
Percent Deflection											
Floor		N	N	Ice covered							
Bulge (mm)	0										
Measured At Ring No.											
Abrasion (Y/N)											
Circumferential Seams		N	7								
Separation (mm)	15										
Longitudinal Seams		N	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		N	5								
Corrosion By Soil (Y/N)	Yes										
Corrosion By Water (Y/N)											

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Bridge Inspection & Maintenance System (Web 2005)

Ponding (Y/N) No Fish Passage Adequacy Baffle (Type : ) Waterway Adequacy Icing (Y/N) No Silting (Y/N) No Drift (Y/N) No Drift (Y/N) No Barrel General Rating Culvert Component Steel, ST Direction End Treatment (Concrete, Steel, ST Others, None) Steel, ST Others, None) Steel, ST Headwall Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion	ERO	Last n (mm X X N N	Now ): X X 7 7 7	Ivert Barrel   Explanation of Condition   , Rise (mm): 2700, Type: MP)
(Pipe # : 1, Primary Span, LocationCamber POS/ZERO/NEGZECamber POS/ZERO/NEGZEPonding (Y/N)NoFish Passage AdequacySeaffle(Type : )Vaterway AdequacyIcing (Y/N)NoSilting (Y/N)NoDirection (Y/N)NoBarrel General RatingSeaffleCulvert ComponentSeaffleDirectionSeaffleCulvert ComponentSeaffleOthers, None)SeaffleHeadwallSeaffleCollarSeaffleWingwallsSeaffle(Shape : )Cutoff WallBevel EndBeHeaving (mm)OInvert Above/Below Stream BedBEAbove/Below (mm) : 300)Scour Protection(Type : RIP RAP)(Avg. Rock Size(mm) : 300)Scour/ErosionSeaffle	ERO	n (mm X X X N N Last E X	): X X 7 7 ownstr Now	, Rise (mm): 2700, Type: MP)
Ponding (Y/N)       No         Fish Passage Adequacy       Isih Passage Adequacy         Baffle       (Type : )         Waterway Adequacy       Icing (Y/N)         Icing (Y/N)       No         Silting (Y/N)       No         Drift (Y/N)       No         Barrel General Rating       Image: Direction         End Treatment (Concrete, Steel, Others, None)       ST         Headwall       Image: Direction         Collar       Image: Direction         (Shape : Direction       Image: Direction         (Shape : Direction       Image: Direction         Invert Above/Below Stream Bed       BE         Above/Below (mm)       Image: Direction         (Type : RIP RAP)       (Avg. Rock Size(mm) : 300)         Scour/Erosion       Image: Direction	)	N N N Last E	X 7 7 ownstr Now	
Fish Passage Adequacy Baffle (Type : ) Waterway Adequacy Icing (Y/N) Silting (Y/N) Drift (Y/N) Barrel General Rating Culvert Component Direction End Treatment (Concrete, Steel, ST Others, None) Headwall Collar Vingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed BE Above/Below (mm) IO Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion	)	N N N Last E	X 7 7 ownstr Now	
Baffle (Type : ) Waterway Adequacy Icing (Y/N) No Silting (Y/N) No Drift (Y/N) No Barrel General Rating Culvert Component Direction End Treatment (Concrete, Steel, ST Others, None) ST Headwall Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion		N N N Last E	X 7 7 ownstr Now	
(Type : )         Waterway Adequacy         Icing (Y/N)       No         Silting (Y/N)       No         Drift (Y/N)       No         Barrel General Rating       Image: Culvert Component         Direction       Image: Culvert Component         End Treatment (Concrete, Steel, None)       ST         Headwall       Image: Collar         Collar       Image: Culveft Wall         Bevel End       Image: Culveft Wall         Bevel End       Image: Collar         Invert Above/Below Stream Bed       BE         Above/Below (mm)       10         Scour Protection       Image: Type : RIP RAP)         (Avg. Rock Size(mm) : 300)       Scour/Erosion		N N Last E X	7 7 ownstr Now	
(Type : )         Waterway Adequacy         Icing (Y/N)       No         Silting (Y/N)       No         Drift (Y/N)       No         Barrel General Rating       Image: Culvert Component         Direction       Image: Culvert Component         End Treatment (Concrete, Steel, None)       ST         Headwall       Image: Collar         Collar       Image: Culveft Wall         Bevel End       Image: Culveft Wall         Bevel End       Image: Collar         Invert Above/Below Stream Bed       BE         Above/Below (mm)       10         Scour Protection       Image: Type : RIP RAP)         (Avg. Rock Size(mm) : 300)       Scour/Erosion		N Last E X	7 7 ownstr Now	
Waterway Adequacy Icing (Y/N) No Silting (Y/N) No Drift (Y/N) No Barrel General Rating Culvert Component Direction End Treatment (Concrete, Steel, ST Others, None) Steel, ST Others, None) Steel, ST Others, None) Others, Steel, Steel, ST Others, None) Others, Steel,		N Last E X	7 ownstr Now	
Icing (Y/N)       No         Silting (Y/N)       No         Drift (Y/N)       No         Barrel General Rating       Image: State S		N Last E X	7 ownstr Now	
Silting (Y/N)       No         Drift (Y/N)       No         Barrel General Rating       Image: Stress of the stress		Last E X	ownstr Now	
Drift (Y/N)       Nc         Barrel General Rating       Image: Stress of the str		Last E X	ownstr Now	
Barrel General Rating         Culvert Component         Direction         End Treatment (Concrete, Steel, ST Others, None)         Headwall         Collar         Wingwalls         (Shape : )         Cutoff Wall         Bevel End         Heaving (mm)       0         Invert Above/Below Stream Bed       BE         Above/Below (mm)       10         Scour Protection       (Type : RIP RAP)         (Avg. Rock Size(mm) : 300)       Scour/Erosion		Last E X	ownstr Now	
Culvert Component         Direction         End Treatment (Concrete, Steel, ST         Others, None)         Headwall         Collar         Wingwalls         (Shape : )         Cutoff Wall         Bevel End         Heaving (mm)       0         Invert Above/Below Stream Bed       BE         Above/Below (mm)       10         Scour Protection       (Type : RIP RAP)         (Avg. Rock Size(mm) : 300)       Scour/Erosion	TEEL	Last E X	ownstr Now	
Direction End Treatment (Concrete, Steel, ST Others, None) Headwall Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion	FEEL	Last E X	Now	
Direction End Treatment (Concrete, Steel, ST Others, None) Headwall Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion	reel	E X		
End Treatment (Concrete, Steel, ST Others, None) Headwall Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion	TEEL	X	×	
Others, None) Headwall Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion			Y	
Collar Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion			X	
Wingwalls (Shape : ) Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion		Х		
(Shape : )         Cutoff Wall         Bevel End         Heaving (mm)       0         Invert Above/Below Stream Bed       BE         Above/Below (mm)       10         Scour Protection       (Type : RIP RAP)         (Avg. Rock Size(mm) : 300)       Scour/Erosion			Х	
Cutoff Wall Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion		Х	Х	
Bevel End Heaving (mm) 0 Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion				
Heaving (mm)0Invert Above/Below Stream BedBEAbove/Below (mm)10Scour Protection(Type : RIP RAP)(Avg. Rock Size(mm) : 300)Scour/Erosion		Х	X	
Invert Above/Below Stream Bed BE Above/Below (mm) 10 Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion		N	8	
Above/Below (mm)10Scour Protection(Type : RIP RAP)(Avg. Rock Size(mm) : 300)Scour/Erosion				
Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion	LOW			
Scour Protection (Type : <b>RIP RAP</b> ) (Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion	00			
(Avg. Rock Size(mm) : <b>300</b> ) Scour/Erosion		N	N	Snow covered.
Scour/Erosion				
Scour/Erosion				
		N	N	Snow covered.
Beavers (Y/N) No	)		1	
Downstream End General Rating		8	8	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		5	5	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) No	)			
Channel Bottom Degrading/Aggrading				Stable.
Beavers (Y/N)	)			
(Fish Compensation Measure 1 : NC	DNE)			
(Fish Compensation Measure 2 : NC				
Channel General Rating		5	8	

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82256 E-1 Bridge Culvert

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments			Department Com	iments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP		2013	Construc from 06-1	t ditch drain NE corner, car May-2009	ried over						
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		) 55.6/77.8 Suf (%)				71.2/77.3	Est. Repl. Yr	2050	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Rus		Vanders	chaaf		Previous A	vious Assistant's Name					
		28-Aug-2014			Previous I	nspection Date					
Inspection Cycle (Default) (months) 21											
Comment											