					Brida	e Culve	ert Insp	ection					
								Form Type CUL1					
Year Built 2008							Lot No.						
	Name		R					tor Name	CUL1 4 ame Owen Salava ass BR CLS A ame 31-Oct-2011 ass 31-Oct-2011 Bay Marcia Chavez Date 31-Oct-2011 John O'Brien 13-Nov-2011 ame John O'Brien ame 13-Nov-2011 wer Name Andrew Smikles wor Name Andrew Smikles wor Name Andrew Smikles wor Name Andrew Smikles gth Corr. Profile Pl./Slab Thickness Shape gth I25X26 2.8 ROUNI N) No No Index Index				
Located Over		TRIBUTARY TO ROSEBUD RIN				VER, 3.33.16,		Inspector Class					
WATERCRS-ST						Assistant Name							
Located On	rear Built 2008 Bridge or Town Name BEISEKER ocated Over TRIBUTARY TO ROSEBUD WATERCRS-ST ocated On 9:02 C1 54.475 vater Body CI./Year						Assistant Class						
							Inspection Date		31-Oct-2011				
							Data Entry By		Marcia Chavez				
				RGE 24 W	/4M		Data E	ntry Date		28-Nov-2011			
U	ude						Reviewer Name		John O'Brien				
			ransportation	(AIT)			Review Date		13-Nov-2011				
							Dept. Reviewer Name			Andrew Smikle	es		
							Dept. Review Date			28-Nov-2011			
							Follow-Up By						
			.8-110				-						
v ,	,												
				Diag (or		Turne		Longth		Corr Drofilo	DL/Slob	Shana	
	Barrei	5	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile		Snape	
1	MAIN	-		1800		MP		41		125X26	2.8	ROUND	
									•	1			
		ment											
openant catalo													
					Uti	ilities (l	ocated	at)					
Utility Attachme	nts												
Telephone South ditch.							Gas						
Power							Munici	bal					
Others							Proble	m (Y/N)	No				
Remarks													
							d / Embankment						
				Last		Explanation of Condition							
Horizontal Alignment				8	8	Local access just West of pipe.							
3			8	8									
Roadway Width (m) 12.000													
Embankment				8	8								
							-						
Approach Road	d / Eml	bankment	General Rat	ing	8	8							
						Unctre	am End						
Culvert Compo	nent				Last	Now			Condi	tion			
Direction				N	140 W			Jonul					
End Treatment ((Concre	ete. Steel	STEFI										
Others, None)													
Headwall					X	X							
Collar				X	Х								
Wingwalls					X	X							
(Shape :)					~	~							
Cutoff Wall					X	X							

Alberta Transportation

	1		Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	450			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating	1	8	8	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	31-Oct-2011			
Barrol Last / tooccoloro Bato	01 001 2011			
Special Features				
Special Feature				
(Туре :)				
Special Feature				
(Туре :)				
Roof		N	8	
Measured Rise (mm)	1800			
Measured At Ring No.	4			
Sag (mm)	0			
Percent Sag	0			
Sidewall	0	N	8	
Measured Span (mm)	1800		0	
Measured At Ring No.	4			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	Silt/water.
Bulge (mm)	0			-
Measured At Ring No.	4			-
Abrasion (Y/N)	No		-	
Circumferential Seams		N	9	
Separation (mm)			_	
Longitudinal Seams	I	X	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		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
	1			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

cutver componentLastNowExplanation of Condition(Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm)Rise (mm): 1800, Type: MP)Fish Passage Adequacy88BaffleXX(Type :)XXWaterway Adequacy88Icing (Y/N)NoSDrift (Y/N)NoSBarel General RatingN8Barel Concrete, Steel,STEELOffectionSDirectionSCollarXXCollarXXVingwallsXX(Shape :)XXCollarXXVingwallsXXAbove/Below (mm)0	Bridge Culvert Barrel										
Image: Pripe # : 1, Primary Span, Location Code: MAIN, Span (mm): - Rise (mm): 1800, Type: MP) Fish Passage Adequacy 8 8 Baffie X X (Type :) X X Watervay Adequacy 8 8 Iding (Y/N) No 8 Silting (Y/N) No 8 Drift (Y/N) No 8 Barrel General Rating N 8 Colvert Component Last No Direction S Explanation of Condition Direction S X X Collar X X X Headwall X X X Collar X X X Vingwalls X X X Ghape :) O	Culvert Component		1								
Bartle X X (Type :) V X Waterway Adequacy 8 8 leing (Y/N) No No Sitting (Y/N) Yes Minor silt on floor. Barel General Rating N 8 Culvert Component Last Nov Explanation of Condition S Explanation of Condition Direction S S Collar X X Y X X Collar X X Ghanel Beside X X Bevel End X X Bevel End B 8 Headwaig (mm) 0		tion Code: MAIN, Spa	n (mm):							
$ \begin{array}{ c c c } \hline (Type :) & \\ \hline Waterway Adequacy & & & & & & & \\ \hline Valerway Adequacy & & N & & & & & \\ \hline Sitting (Y/N) & No & & & & & \\ \hline Sitting (Y/N) & No & & & & & \\ \hline Drit (YN) & No & & & & & \\ \hline Drit (YN) & No & & & & & \\ \hline Drit (YN) & No & & & & \\ \hline Drit (YN) & No & & & & \\ \hline Drit (YN) & No & & & & \\ \hline Drit (YN) & No & & & & \\ \hline Drit (YN) & No & & & \\ \hline Culvert Component & & Last & Vov & Explanation of Condition & \\ \hline Culvert Component & & Last & Vov & Explanation of Condition & \\ \hline Culvert Component & & Last & X & X & \\ \hline Culvert Component & & Last & X & X & \\ \hline Collar & X & X & X & \\ \hline Collar & X & X & X & \\ \hline Collar & X & X & X & \\ \hline Collar & X & X & X & \\ \hline Culvert Avow Relow Straum Bed & X & X & \\ \hline Culvert Avow Relow Straum Bed & BELOW & & \\ \hline Above/Below (mm) & 0 & & & \\ \hline Nevert Above/Below (traum 450 & & \\ \hline Chancel Ever Structure Usage & \\ \hline Channel General Rating & 8 & 8 \\ \hline \hline Culvert Avow Relow Straum Bed & \\ \hline Channel (US and D/S) & & \\ \hline Channel (US and D/S) & \\ \hline Channel (UNS and D/S) & \\ \hline Channel Gottom & NONE & \\ \hline \hline VWM (m below Top of Culvert) & \\ \hline Drit (YN) & Ves & \\ \hline \hline VWM (m below Top of Culvert) & \\ \hline Drit (YN) & Ves & \\ \hline \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$				8							
$\begin{array}{ c c c c } (Type :) & & & & & & \\ \hline Waterway Adequacy & & & & & & & \\ \hline Waterway Adequacy & & & & & & & & \\ \hline Waterway Adequacy & & & & & & & & \\ \hline Waterway Adequacy & & & & & & & & \\ \hline Sitting (Y/N) & No & & & & & & & \\ \hline Sitting (Y/N) & No & & & & & & & \\ \hline Drit (YN) & No & & & & & & & \\ \hline Drit (YN) & No & & & & & & \\ \hline Drit (YN) & No & & & & & & \\ \hline Data Teatment Concrete, Steel, STEEL & & & & & & \\ \hline Collar & & X & X & & & \\ \hline Collar & & X & X & & & \\ \hline Collar & & X & X & & & \\ \hline Collar & & X & X & & & \\ \hline Collar & & X & X & & & \\ \hline Collar & & X & X & & & \\ \hline Cutoff Wall & & X & X & & & \\ \hline Shape :) & & & & & \\ \hline Cutoff Wall & & & X & X & & \\ \hline Heaving (mm) & 0 & & & & \\ \hline Heaving (mm) & 0 & & & & \\ \hline Heaving (mm) & 0 & & & & \\ \hline Heaving (mm) & 0 & & & & \\ \hline Heaving (mm) & 450 & & & \\ \hline Above/Below Item Bed BELOW & & & \\ \hline Above/Below Item Bed BELOW & & & \\ \hline (Arg. Rock Size(mm) : 300) & & & & \\ \hline Scour Protection & & 8 & 8 & \\ \hline Beavers (Y/N) & No & & & & \\ \hline Downstream End General Rating & & & & \\ \hline Beavers (Y/N) & No & & & & \\ \hline Channel (U/S and D/S) & & & \\ \hline Channel (U/S and D/S) & & & \\ \hline Ahover Factor & & & \\ \hline Channel (U/S not D/S) & & & \\ \hline Channel (U/N) & Yes & & \\ \hline HWM (m below Top of Culvert) & & \\ \hline Drit (Y/N) & Yes & & \\ \hline HWM (m below Top of Culvert) & \\ \hline Drit (Y/N) & Yes & & \\ \hline \end{array}$	Baffle		X	Х							
Waterway AdequacyNoNoNoSilting (Y/N)NoVesMinor silt on floor.Barrel General RatingN88Colspan="2">Oriti (Y/N)No8Barrel General RatingN8Colspan="2">Colspan="2"Colspan			1								
Loing (Y/N) No Minor silt on floor. Drift (Y/N) No Minor silt on floor. Barrel General Rating N 8 Barrel General Rating Now Explanation of Condition Direction S Explanation of Condition Direction S Explanation of Condition Collar X X Collar X X Collar X X (Shape :) X X Cutoff Wall X X Bevel End 8 8 Heaving (mm) 0			8	8							
Sitting (Y/N)YesMinor silt on floor.Barel General RatingN8Minor silt on floor.Culvert ComponentLast NowExplanation of ConditionDirectionSEnd Treatment (Concrete, Steel, STEEL $V = V$ Explanation of ConditionOrdners, None)XXXCollarXXXCollarXXXVingwallsXXX(Shape :)XXXUtoff WallXXXEvel End88AHeaving (mm)0 $V = V$ Invert Above/Below (rm)450 $V = V$ Scour/Protection88B(Type : RIP RAP) (Crysci in)No $V = V$ Scour/Protection88BBeavers (Y/N)No $V = V$ Explanation of ConditionChannel Gueneral Rating88BHWM (m below Top of Culvert)55Not well defined U/S. Dugout U/S.Bark Stability88HWM not visible. One log U/S.Drint (V/N)YesHWM not visible. One log U/S.	· · · · · ·	No		-							
Drift (Y/N)NoMore silt on floor.Barrel General RatingN8Image: Second											
Barrel General Rating N 8 Explanation of Condition Culvert Component Last Now Explanation of Condition Direction S S S End Treatment (Concrete, Steel, STEEL STEEL X X Collar X X X Collar X X X Collar X X X Vingwalls X X X (Shape :) X X X Culof Wall X X X Bevel End 8 8 Heaving (mm) 0					Minor silt on floor.						
Culvert ComponentLastNowExplanation of ConditionDirectionSEnd Treatment (Concrete, Steel, Others, None)STEELIHeadwallXXHeadwallXXCollarXXCollarXXVingwallsXX(Shape :)XXCutoff WallXXBevel End88Heaving (mm)0INove Below (tream Bed BELOW)IAbove Below (tream Bed BELOW)8Above Below (tream Bed BELOW)IScour Protection8Scour/ Erosion8Cutoff Vini)NoBeavers (Y/N)NoBeavers (Y/N)NoAlignment5Channel (U/S and D/S)Alignment5Bank Stability5StabilityYesVini (YN)YesVini (YNN)YesOwner StabilitySStabilitySStabilitySStabilitySStabilityYesStabilityYesStabilityYesStabilityYesStabilityYesStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStability			N	8							
Culvert ComponentLastNowExplanation of ConditionDirectionSEnd Treatment (Concrete, Steel, Others, None)STEELIHeadwallXXHeadwallXXCollarXXCollarXXVingwallsXX(Shape :)XXCutoff WallXXBevel End88Heaving (mm)0INove Below (tream Bed BELOW)IAbove Below (tream Bed BELOW)8Above Below (tream Bed BELOW)IScour Protection8Scour/ Erosion8Cutoff Vini)NoBeavers (Y/N)NoBeavers (Y/N)NoAlignment5Channel (U/S and D/S)Alignment5Bank Stability5StabilityYesVini (YN)YesVini (YNN)YesOwner StabilitySStabilitySStabilitySStabilitySStabilityYesStabilityYesStabilityYesStabilityYesStabilityYesStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStabilitySStability			ם	ownstr	eam End						
SInvertication (Concrete, Steel, Others, None)STEELHeadwallXXHeadwallXXCollarXXWingwalls (Shape :)XX(Shape :)XXCutoff WallVXBevel End0SHeaving (mm)0Image (Stream Bed)Above/Below Stream BedBELOWImage (Stream Bed)Above/Below (mm)450Image (Stream Bed)Scour Protection88(Type : RIP RAP) (Avg. Rock Size(mm) : 300)Image (Stream Bed)Scour/Frosion88Beavers (Y/N)NoImage (Stream Bed)Downstream End General Rating88Channel (U/S and D/S)55Alignment55Bank StabilityYesImage (Stream Bed)Frid (Y/N)YesImage (Stream Bed)Channel BottomNONEImage (Stream Bed)	Culvert Component			1							
End Treatment (Concrete, Steel, Others, None) STEEL V Vingwalls X X X Collar X X X Vingwalls X X X (Shape :) X X X Cutoff Wall X X X Bevel End X X X Heaving (mm) 0		1									
HeadwallXXXCollarXXXWingwallsXXX(Shape :)XXXCutoff WallXXXBevel EndXXXHeaving (mm)0 $$	End Treatment (Concrete, Steel,	STEEL	-								
WingwallsXX(Shape :)XXCutoff WallXXBevel End88Heaving (nm)0		1	Х	X							
(Shape :)Cutoff WallXXBevel End88Heaving (mm)0 \checkmark Invert Above/Below Stream BedBELOW \checkmark Above/Below (mm)450 \checkmark Scour Protection88(Type : RIP RAP) (Avg. Rock Size(mm) : 300) \checkmark Scour/Erosion88Beavers (Y/N)No \checkmark Downstream End General Rating88Channel (U/S and D/S) \checkmark \checkmark Alignment55Not well defined U/S. Dugout U/S.Bank Stability88HWM (m below Top of Culvert) \checkmark \checkmark Drift (Y/N)Yes \checkmark \dashv Channel BottomNONE \checkmark HWM (m below Top of Culvert) \checkmark \checkmark Nove \blacksquare \blacksquare HWM (m below Top of Culvert) \blacksquare \checkmark Nove \blacksquare \blacksquare HWM (m below Top of Culvert) \blacksquare \checkmark Orden BottomNONE \blacksquare \blacksquare HWM (m below Top of Culvert) \blacksquare \checkmark HWM (m below Top of Culvert) \blacksquare \blacksquare HWM (m below Top of Culvert) \blacksquare \blacksquare Orden BottomNONE \blacksquare	Collar		Х	Х							
Cutoff Wall X X X Bevel End 8 8 8 Heaving (mm) 0	Wingwalls			Х							
Bevel End88Heaving (mm)0				1							
Heaving (mm) 0 u Invert Above/Below Stream Bed BELOW	Cutoff Wall			X							
$\begin{array}{ c c c } \mbox{Invert Above/Below Stream Bed} & \mbox{Below} & \mbox{450} & \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	Bevel End			8							
Above/Below (mm) 450 Image: constraint of the state	Heaving (mm) 0										
Scour Protection 8 8 (Type : RIP RAP) (Avg. Rock Size(mm) : 300)	Invert Above/Below Stream Bed BELOW				-						
(Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion 8 8 Beavers (Y/N) No 5 Downstream End General Rating 8 8 Last Now Explanation of Condition Channel (U/S and D/S) 5 5 Alignment 5 5 Bank Stability 8 8 HWM (m below Top of Culvert) 2 48 Drift (Y/N) Yes 49 Channel Bottom NONE 49	Above/Below (mm) 450			1							
(Avg. Rock Size(mm) : 300)Scour/Erosion88Beavers (Y/N)NoIDownstream End General Rating88Explanation of ConditionChannel (U/S and D/S)Alignment55Alignment55Bank Stability88HWM (m below Top of Culvert)IIDrift (Y/N)YesIChannel BottomNONE	Scour Protection			8							
Scour/Erosion 8 8 Beavers (Y/N) No Seavers Downstream End General Rating 8 8 Explanation of Condition Explanation of Condition Channel (U/S and D/S) Now Explanation of Condition Alignment 5 5 Not well defined U/S. Dugout U/S. Bank Stability 8 8 HWM (m below Top of Culvert) Yes HWM not visible. One log U/S. Drift (Y/N) Yes Channel Bottom NONE											
Beavers (Y/N) No Image: Constraint of the second s	· · · · · · · · · · · · · · · · · · ·		1	1							
Downstream End General Rating 8 8 Structure Usage Channel (U/S and D/S) Last Now Explanation of Condition Alignment 5 5 Not well defined U/S. Dugout U/S. Bank Stability 8 8 HWM (m below Top of Culvert) 6 7 Drift (Y/N) Yes 7 Channel Bottom NONE 7	Scour/Erosion			8							
Structure Structure Channel (U/S and D/S) Last Now Explanation of Condition Alignment 5 5 Not well defined U/S. Dugout U/S. Bank Stability 8 8 HWM (m below Top of Culvert) Image: Construction of Condition Drift (Y/N) Yes Yes Channel Bottom NONE Image: Construction of Culvert)	Beavers (Y/N)	No									
Image: constraint of condition Last Now Explanation of Condition Channel (U/S and D/S) Free Constraints Free Constraints Free Constraints Alignment 5 5 Not well defined U/S. Dugout U/S. Bank Stability 8 8 HWM (m below Top of Culvert) Free Constraints HWM not visible. One log U/S. Drift (Y/N) Yes Image: Constraints Channel Bottom NONE Image: Constraints	Downstream End General Ratin	ng	8	8							
Image: constraint of condition Last Now Explanation of Condition Channel (U/S and D/S) Free Constraint of Condition Free Constraint of Condition Alignment 5 5 Not well defined U/S. Dugout U/S. Bank Stability 8 8 HWM (m below Top of Culvert) Free Constraint of Condition Drift (Y/N) Yes Yes Channel Bottom NONE Free Constraint of Condition			S	Structu	re Usage						
Alignment 5 5 Not well defined U/S. Dugout U/S. Bank Stability 8 8 HWM (m below Top of Culvert) Image: Channel Bottom MONE			1	1							
Bank Stability 8 8 HWM (m below Top of Culvert) Image: Constraint of Culvert) Image: Constraint of Culvert) Drift (Y/N) Yes Image: Constraint of Culvert) Channel Bottom NONE Image: Constraint of Culvert)											
HWM (m below Top of Culvert) HWM not visible. Drift (Y/N) Yes One log U/S. Channel Bottom NONE Image: Constraint of the second sec	Alignment			5	Not well defined U/S. Dugout U/S.						
Drift (Y/N) Yes One log U/S. Channel Bottom NONE Image: Compare the second secon	Bank Stability			8							
Drift (Y/N) Yes One log U/S. Channel Bottom NONE Image: Constraint of the second	HWM (m below Top of Culvert)										
	Drift (Y/N) Yes				One log U/S.						
	Channel Bottom NONE Degrading/Aggrading										
Beavers (Y/N) No											
(Fish Compensation Measure 1 : NONE)											
(Fish Compensation Measure 2 : NONE)	(Fish Compensation Measure 2 :	NONE)									
Channel General Rating 5 5				5							

Maintenance Recommendations												
Inspector Recommendations		Year Inspector Comments			Department Comm	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTO	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	55.6/88.9	9 Sufficiency Rating (Last/No (%)	ow) 6	57.1/85.0 Est. Repl. Yr 2048		2048	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	Jason S	Saly	F	Assistant's Name								
Next Inspection Date 31-		2013	F	Previous I	ious Inspection Date 10-Mar-2010							
Inspection Cycle (Default) (months) 21												
Comment												