					Bridg	e Culve	ulvert Inspection						
Bridge File Num	nber		Bridge Culver	rt				Form Type CUL1					
Year Built 1983						Lot No.		4					
Bridge or Town Name SEEBE							Garry Roberts						
Located Over STONY CK, 2.13.56.1.1, WATER		RCRS-ST		Inspector Class		BR CLS A							
Located On		68:04 C1					Assistant Name						
							Assista	int Class					
	ocated On 68:04 C /ater Body CI./Year avigabil. CI./Year avigabil. CI./Year SE SEC ongitude, Latitude -114:59 oad Authority Alberta ontract Main. Area CMA28 lear Roadway/Skew 12 / -38 ADT/Year 310 / 20 oad Classification RAU-21 etour Length (km) 16 ridge Culvert Information mAIN umber of Culverts MAIN pecial Features MAIN pecial Features comment elephone						Inspection Date		29-Aug-2012				
Legal Land Loc	ation		13 TWP 24 R	GE 8 W5	М		, ,		Lauren Korte				
	ude		23, 51:02:23				-		26-Sep-2012				
Road Authority		Alberta T	ransportation	(AIT)			Review	er Name	;	Tom Carey			
							Review Date		31-Aug-2012				
							· ·		Tim Davies				
AADT/Year 310 / 20							· ·		02-Oct-2012				
		RAU-211	1.8-110					Follow-Up By					
	·												
Bridge Culvert Information													
		1		/	- . \					~ ~ ~ ~			
Pipe #	Barrel	S	span	Rise (or	Dia.)	Туре		Length Corr. Profile			PI./Slab Thickness	Shape	
1	MAIN	2	317	2561		SPE		39.6		152X51	4.0	ELLIPSE	
Special Feature	es												
Special Feature	es Comr	ment											
					+;	litios (l	ocated	at)					
Litility Attachme	onts				οu	innes (i		aty					
							Gas						
Power								Municipal					
Others							Problem (Y/N) No						
									1.10				
Approach Road / Embankment													
					Last	Now	Explanation of Condition						
Horizontal Align	nment			4	4	South curves - reduced speed. Grade							
Vertical Alignment				6	6	rising t	o East.						
Roadway Width	/ertical Alignment Roadway Width (m)		12.000										
Embankment				6	5								
Sideslope (:1)			2.0				1.3 m average HOC.						
(Height of Co	,	1.3)											
Guardrail (Y/N)													
Approach Roa	d / Emt	bankment	t General Rat	ing	4	4							
						Upstre	am End						
Culvert Compo	onent				Last	Now	1	ation of	Condi	tion			
Direction					N		North.						
End Treatment Others, None)	(Concre	ete, Steel,	CONCRETE				-						
Headwall					7	7							
Collar			7	7									
Wingwalls					X	X							
(Shape :)					Λ	Λ							
Cutoff Wall					N	N	Buried.						
					IN	IN	Bulled.						

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection			7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		6	7	
Beavers (Y/N)	No			
Upstream End General Rating	1	6	7	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm		
Barrel Last Accessible Date	27-Aug-2012			
Special Features				
Special Feature				
(Туре :)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	2540			
Measured At Ring No.	6			
Sag (mm)	21			
Percent Sag	1			
Sidewall	•	7	7	Minor construction damage @ U/S.
Measured Span (mm)	2320	,	<i>'</i>	
Measured At Ring No.	6			
Deflection (mm)	3			
Percent Deflection	0			
Floor	-	7	7	
Bulge (mm)	0			
Measured At Ring No.				Minor.
Abrasion (Y/N)	Yes		-	
Circumferential Seams		8	8	
Separation (mm)	0			
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N) No				
Longitudinal Stagger (Y/N)	No			
Coating		6	6	Minor superficial.
Corrosion By Soil (Y/N)	No		-	
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Cutvert Component Last Now Explanation of Condition (Fipe i: 1, Primary Span, Location Code: MAIN, Span (mm): 2317, Rise (mm): 2561, Type: SPE) Fish Passage Adequacy 5 5 Baffile X X X X (Type : 1) No X X X Sitting (YN) No Z X X Sitting (YN) No Z X X Drift (YN) No Z X X Sitting (YN) No Z X X Drift (YN) No Z X X Sitting (YN) No Z Z Z Bard General Rating 7 7 7 Z Cutvert Component Last Now Explanation of Condition Drinetion S South. South. South. Headwall T 7 7 Z Z Collar X X X X X	Bridge Culvert Barrel									
$ \begin{array}{ $	Culvert Component									
BaffleXXType :)YYWaterway Adequacy77Icing (Y/N)No		tion Code: MAIN, S	pan (mm							
$ \begin{array}{ $	Fish Passage Adequacy		5	5						
Waterway Adequacy7777Icing (V/N)No $I = I$ Silting (Y/N)No $I = I$ Barrel General Rating777Barrel General Rating777Culvert ComponentLastNowExplanation of ConditionDirectionSSouth.End Treatment (Concrete, Steel, Others, None)CONCRETESouth.HeadwallY77CollarXXKingwallsXX(Shape :)XX(Shape :)XXKing (mm)0IBevel End77Heaving (mm)0INewt Above/Below Stream BedBELOWIAbove/Below fream BedBELOWI <t< td=""><td>Baffle</td><td></td><td>X</td><td>X</td><td></td></t<>	Baffle		X	X						
$ \begin{array}{ \ $	(Type :)									
Icing (Y/N)NoNoSitting (Y/N)NoNoDrift (Y/N)NoNoBarrel General Rating777Barrel General Rating777Culvert ComponentLastNowExplanation of ConditionDirectionSSouth.End Treatment (Concrete, Steel, Others, None)CONCRETESouth.HeadwallCONCRETE77CollarXXX(Shape :)XXX(Shape :)YYYCulff WallSourt -YYHeaving (nm)0Ivert Above/Below Stream Bed Above/Below (nm)FoScour ProtectionTo77(Type : RIP RAP) (Aga, Rock Stream) : 400)77Scour/ErosionToT7Beavers (Y/N)NoTTBeavers (Y/N)NoTTDownstream End General RatingTTChannel (U/S and D/S)SSSAlignmentSSSSSour ProtectionSSSSour ProtectionSS <t< td=""><td>Waterway Adequacy</td><td></td><td>7</td><td>7</td><td></td></t<>	Waterway Adequacy		7	7						
Silting (Y/N)NoImage: NoBarrel General Rating777Barrel General Rating777Explanation of ConditionCulver ComponentLastNoExplanation of ConditionOriginal Concrete, Steel		No								
Barrel General Rating 7 7 7 Culvert Component Last Now Explanation of Condition Direction S South. End Treatment (Concrete, Steel, Orbers, None) CONCRETE South. Headwall 7 7 7 Collar 7 7 7 Vingwalls X X X (Shape :) X X X Cutoff Wall N N Buried. Bevel End 7 7 7 Heaving (mm) 0										
Under State S										
Culvert ComponentLastNowExplanation of ConditionDirectionSSouth.End Treatment (Concrete, Steel, ConcRETECONCRETE7South.HeadwallT77FCollarT77CollarT77CollarT77CollarT77CollarT77CollarTNNSevel EndTNNBevel EndDTHeaving (mm)0TInvert Above/Below Stream BedBELOWTAbove/Below (mm)750TScour Protection77Type : RIP RAPT(Avg. Rock Size(mm) : 400)TTScour/ErosionNoTBeavers (Y/N)NoRBeavers (Y/N)NoTBeavers (Y/N)NoTAlignmentImage: State	Barrel General Rating		7	7						
Culvert ComponentLastNowExplanation of ConditionDirectionSSouth.End Treatment (Concrete, Steel, ConcRETECONCRETE7South.HeadwallT77FCollarT77CollarT77CollarT77CollarT77CollarT77CollarTNNSevel EndTNNBevel EndDTHeaving (mm)0TInvert Above/Below Stream BedBELOWTAbove/Below (mm)750TScour Protection77Type : RIP RAPT(Avg. Rock Size(mm) : 400)TTScour/ErosionNoTBeavers (Y/N)NoRBeavers (Y/N)NoTBeavers (Y/N)NoTAlignmentImage: State			П	ownstr	ream End					
Direction South. End Treatment (Concrete, Steel, CONCRETE CONCRETE South. Headwall T 7 7 Headwall T 7 7 Collar T 7 7 Collar X X (Shape :) X X (Shape :) X X (Shape :) X X Cutoff Wall V X Bevel End 0 X Heaving (mm) 0 X Noer/Below Stream Bed BELOW X Above/Below (mm) 70 7 Scour Protection 70 7 (Type : RIP RAP) (YN) No Geavers (Y/N) No X Beavers (Y/N) No X Invert Hole General Rating I Y Alignment I X	Culvert Component			1						
End Treatment (Concrete, Steel, ODCRETE CONCRETE Headwall 7 7 Headwall 7 7 Collar 7 7 Collar 7 7 Vingwalls X X (Shape :) X X Cutoff Wall V X Bevel End 0 X Heaving (mm) 0 U Nove/Below Stream Bed BELOW X Above/Below (mm) 750 T Scour Protection 750 T (Type : RIP RAP) X X Scour/Erosion No X Scour/Erosion No X Scour/Erosion No X Above/Below (mm) : 400) X X Scour/Erosion No X Beavers (Y/N) No X No X X Image: Stream End General Rating X X Alignment Image: Stream End General Rating Stream End General Rating Alignment Image: Stream End General Rating Stream End General Rating		1								
Headwall 7 7 7 Collar 7 7 7 Vingwalls X X (Shape :) X X (Shape :) X X Cutoff Wall V X Bevel End 7 7 Heaving (mm) 0 7 Prever Book Stream Bed BELOW 7 Above/Below Stream Bed BELOW 7 Above/Below (mm) 750 7 Scour Protection 7 7 (Type : RIP RAP) 7 7 (Type : RIP RAP) 7 7 (Avg. Rock Size(mm) : 400) 7 7 Scour/Erosion 7 7 Beavers (Y/N) No 7 Downstream End General Ratification 7 7 T 7 7 Alignment 6 5 Alignment 8 5	End Treatment (Concrete, Steel, CONCRETE									
Vingwalls (Shape :)XXCutoff WallXXCutoff WallNNBevel End Heaving (mm)07077Heaving (mm)0Invert Above/Below Stream BedBELOWAbove/Below (mm)7507Scour Protection77(rtype : RIP RAP) (Avg. Rock Size(mm) : 400)77Scour/Erosion77Beavers (Y/N)NoDownstream End General Rati-77IgmmentImage: State			7	7						
(Shape :)Cutoff WallNNBuried.Bevel End77Heaving (mm)0-Invert Above/Below Stream BedBELOW-Above/Below (mm)750-Scour Protection77(Type : RIP RAP) (Avg. Rock Size(mm) : 400)77Scour/Erosion77Beavers (Y/N)No-Sometream End General RationTo the state of the sta	Collar			7						
Cutoff Wall N N N Buried. Bevel End 7 7 7 Heaving (mm) 0	Wingwalls			Х						
Image: constraint of the state of the st	(Shape :)			-						
Heaving (mm) 0 Image: Constraint of the second se	Cutoff Wall			N	Buried.					
Invert Above/Below Stream Bed BELOW Image: Stream Bed BELOW Above/Below (mm) 750 7 Scour Protection 7 7 (Type : RIP RAP) 7 7 (Avg. Rock Size(mm) : 400) 7 7 Scour/Erosion 7 7 Beavers (Y/N) No 7 Downstream End General Ratimeter 7 7 Channel (U/S and D/S) 1 Explanation of Condition Alignment 5 5 Channel 90 degree to pipe at both ends.	Bevel End			7						
Above/Below (mm) 750 I Scour Protection 7 7 (Type : RIP RAP) (Vag. Rock Size(mm) : 400) 7 (Avg. Rock Size(mm) : 400) 7 7 Scour/Erosion 7 7 Beavers (Y/N) No 7 Downstream End General Rating 7 7 Channel (U/S and D/S) 1 Explanation of Condition Alignment 5 5 Channel 90 degree to pipe at both ends.	Heaving (mm) 0									
Scour Protection 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 400) 7 Scour/Erosion 7 7 Beavers (Y/N) No 7 Downstream End General Rating 7 7 Image: Comparison of Condition 1 7 Image: Comparison of Condition 1 7 Image: Comparison of Condition 1 1					-					
(Type : RIP RAP) (Avg. Rock Size(mm) : 400) Scour/Erosion 7 7 Beavers (Y/N) No 7 7 Downstream End General Rating 7 7 7 Image: Channel (U/S and D/S) 5 5 Channel 90 degree to pipe at both ends.				1						
(Avg. Rock Size(mm) : 400)Scour/Erosion77Beavers (Y/N)No7Downstream End General Ratiry77Channel (U/S and D/S)LastNowAlignment55Channel 90 degree to pipe at both ends.				7	-					
Scour/Erosion 7 7 7 Beavers (Y/N) No					-					
Image: Second	· · · · · · · · · · · · · · · · · · ·			1						
Downstream End General Rating 7 7 Image: Channel (U/S and D/S) Image: Channel Structure 5 5 Channel 90 degree to pipe at both ends.	Scour/Erosion			7						
Image: Second state Image: Second state Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 5 5 Channel 90 degree to pipe at both ends.	Beavers (Y/N)	No								
Last Now Explanation of Condition Channel (U/S and D/S) 5 5 Channel 90 degree to pipe at both ends.	Downstream End General Rating			7						
Last Now Explanation of Condition Channel (U/S and D/S) 5 5 Channel 90 degree to pipe at both ends.				Structu	ra llsaga					
Channel (U/S and D/S) 5 5 Alignment 5 5 Channel 90 degree to pipe at both ends.										
Alignment 5 5 Channel 90 degree to pipe at both ends.	Channel (U/S and D/S)									
Bank Stability 6 6				5						
	Bank Stability			6						
HWM (m below Top of Culvert) HWM not visible.					HWM not visible.					
Drift (Y/N) No No	Drift (Y/N)	-								
Channel Bottom AGGRADING Degrading/Aggrading										
Beavers (Y/N) No	Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)	(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)	(Fish Compensation Measure 2 :	NONE)		1						
Channel General Rating 5 5				5						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
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) (%)		77.8/77.3	.8 Sufficiency Rating (Last/N (%)	low) 6	65.2/66.0	Est. Repl. Yr 2033		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 Garr		Roberts		Previous /	s Assistant's Name							
		y-2014		Previous I	ous Inspection Date 06-Jan-2011							
Inspection Cycle (Default) (months) 21												
Comment												