					Rride		ort Inen	oction						
Bridge File Nu	mher	79158 -1	Bridge Culvo	rt	Блаў	e cuive		rt Inspection Form Type CUL1						
Bridge File Number 79158 -1 Bridge Culvert Year Built 1982					Lot No.									
										4 Calvin Daharta				
Bridge or Town Name BRAGG CREEK Located Over PRIDDIS CREEK, 2.13.31.5, WAT						200	Inspector Name			Calvin Roberts				
Located Over		ST		3.31.5, W	AIER	JK2-	Inspector Class Assistant Name		BR CLS B					
Located On 66:04 C1 15.320							Assista	Assistant Class						
Water Body Cl	./Year					Inspection Date				03-Apr-2013				
Navigabil. Cl./Year							Data Entry By			Lauren Korte				
Legal Land Location SE SEC 1 TWP 23 RGE 5 V				6E 5 W5N	1		Data Entry Date		11-Apr-2013					
			37, 50:55:17				Reviewer Name		Garry Roberts					
Road Authority Alberta Tra			ransportation (AIT)				Review Date		13-Apr-2013					
Contract Main.	Area	CMA27					Dept. Reviewer Name		Tim Davies					
Clear Roadway/Skew 12.2 / -8 deg.			deg. (LHF)	∋g. (LHF)				Dept. Review Date		06-May-2013				
AADT/Year		1,340 / 2	012 (A)				Follow-Up By		00 May 2010					
Road Classific	ation	RAU-210	0-110				топом-ор ву							
Detour Length	(km)	5												
Bridge Culver	t Inform	ation												
Number of Cul	verts	1												
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	2316	2560		SPE		31.7		152X51	3.0	ELLIPSE		
Special Features									•					
Special Features Comment														
•														
					Uti	ilities (l	ocated	at)						
Utility Attachm	ents													
Telephone	South	ditch					Gas							
Power							Munici	bal						
Others	1 wate	erline thru	barrel - 50 m	m dia.			Proble	m (Y/N)	No					
Remarks Supernet cable North ditch.														
				Α	pproa	ch Roa	d / Embankment							
					Last	Now	Explanation of Condition							
Horizontal Alig					7	7	Located 1/2 km West of "T" intersection with Hwy 22.							
Vertical Alignment			6	6										
Roadway Width (m) 12.200														
Embankment				7	7									
Sideslope (:1) 3.0														
(Height of Cover(m) : 2)														
Guardrail (Y/N) Yes														
Approach Road / Embankment General Rating				6	6									
						Unstre	am End							
Culvert Component				Last			ation of (Condi	tion					
Direction		1		S		South.								
End Treatment (Concrete, Steel, Others, None)		STEEL												
Headwall			X	X	<u> </u>									
Collar			X	X										
Wingwalls			X	Х										
(Shape :)														
Cutoff Wall					X	Х			-					
							1							

Alberta Transportation

	1		Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	
Heaving (mm)	150			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			Well vegetated.
Upstream End General Rating		6	6	
		Brid	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sr			
Barrel Last Accessible Date	03-Apr-2013			
Special Features				
Special Feature				
(Type :)				_
Special Feature				
(Type :)				
Roof		7	7	
Measured Rise (mm)	2560			Est.
Measured At Ring No.	4			
Sag (mm)	0			
Percent Sag	0			
Sidewall		7	7	
Measured Span (mm)	2330			
Measured At Ring No.	5			
Deflection (mm)	14			
Percent Deflection	1			
Floor	1	6	N	Rock covered.
Bulge (mm)	100			
Measured At Ring No.	4			1
Abrasion (Y/N)	Yes			1
Circumferential Seams		7	7	
Separation (mm)	0	,	,	
Longitudinal Seams	-	6	7	
Total No. of Cracked Rings	0	0	1	
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	No			1
Longitudinal Stagger (Y/N)	No			1
Coating		5	5	
Corrosion By Soil (Y/N)	No	0		Minor superficial. Corrosion @ sides of floor.
Corrosion By Water (Y/N)	Yes			Corrosion @ sides of floor.
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Culvert ComponentLastNovExplanation of Condition(Pipe i 1, Primary Span, Location Code: MAIN, Span (mm): 2316, Rise (mm): 2360, Type: SPE)Fish Passage Adequacy55BaffileXXXX(Type :)NoImage: Span (mm): 2360, Type: SPE)Image: Span (mm): 2360, Type: SPE)BaffileXXX(Type :)NoImage: Span (mm): 2360, Type: SPE)Sitting (YN)NoImage: Span (MM): Span (Brid	dge Cu	Ivert Barrel				
Fish Passage Adequacy 5 5 Baffle X X (Type :) X X Waterway Adequacy 7 7 7 Icing (Y/N) No X X Sitting (Y/N) No X X Drift (Y/N) No X X Barrel General Rating 6 7 T Culvert Component Last Now Explanation of Condition Direction N X X End Treatment (Concrete, Steel, STEEL N North. Others, None) X X X Vingwalls X X X (Shape :) X X X Culoff Wall X X X Bevel End 6 6 6 Heaving (mm) 50 $ -$ Invert Above/Below (mm) 200 $ -$ Scour Protection T T T (Type : RIP RAP) $ -$ Well ve	Culvert Component								
BafflieXXBafflieXXWaterway Adequacy77Icing (Y/N)No7Silting (Y/N)No0Drift (Y/N)No0Barrel General Rating67Culvert ComponentLastNowExplanation of ConditionNorth.DirectionNEnd Treatment (Concrete, Steel, STEELNorth.Others, None)XXHeadwallXXCollarXXCollarXXShape :)XXCutoff WallXXBevel End66HeadwallXXScour Protection77(Avg. Rock Size(mm) : 300)77Scour/Erosion77Reavers (Y/N)NoIWell vegetated.ConductionDownstream End General Rating6Gaver (Y/N)NoIState (Y/N)NoIReavers (Y/N) <td>-</td> <td>tion Code: MAIN, Sp</td> <td></td> <td></td> <td></td>	-	tion Code: MAIN, Sp							
$\begin{array}{ $	Fish Passage Adequacy		5	5					
$\begin{array}{ $	Baffle		X	Х					
Waterway AdequacyNo7777Icing (Y/N)No \rightarrow Silting (Y/N)No \rightarrow Barrel General Rating67Barrel General Rating67Culvert ComponentLastNowDirectionNoEnd Treatment (Concrete, Steel, Others, None)STEELNorth.HeadwallXXCollarXXKingwallsXX(Shape :)XXKingwallsSourceGeneral Rating (rm)50HeadwallXXXKingwallsSourceCutoff WallSourceSource/Below Stream Bed Above/Below from)Above/Below Stream Bed Above/Below from)Sour/Irosion77Criter Stream End General Rating6Beavers (Y/N)NoNoSourceChannel (U/S and D/S)YKingment7Tanal Lingment7Tanal LingmentTanal Lingm									
$ \begin{array}{ $			7	7					
Silting (Y/N)NoDrift (Y/N)NoBarrel General Rating67Barrel General Rating67Culver ComponentLastNowEvaluation of ConditionNorth.DirectionNDirectionNDirectionNCollarXXCollarXXCollarXXCollarXXKinge :XXCutoff WallSoBevel End66Headwall (mm)SoSocur Protection70Crype : Bit RAP)7Crype : Ri RAP)7Court/Erosion7Court/Erosion7Beavers (Y/N)NoNoVStructure UsageBeavers (Y/N)NoNoStructure UsageChannel (U/S and D/S)7Alignment7Alignment7Alignment7Alignment7Alignment7Alignment7Alignment7Alignment		No							
Drift (Y/N)NoImage: No independent of the second se									
Barrel General Rating 6 7 Culvert Component Last Now Explanation of Condition Direction N North. End Treatment (Concrete, Steel, None) STEEL North. Headwall X X Collar X X Collar X X Vingwalls X X (Shape :) X X Cutoff Wall S0 X Bevel End ADOVE ADOVE Above/Below Stream Bed ABOVE ADOVE Above/Below Stream Bed ABOVE ADOVE Above/Below Stream Bed ADOVE ADOVE Above/Below Stream Bed ABOVE ADOVE Y 7 7 7 (Type : RIP RAP) Vell Vegetated. Vell Vegetated. Downstream End General Rating Ro Explanation of Condition Channel (U/S and D/S) Ital Now Explanation of Condition									
Downstream EndCulvert ComponentLast NowExplanation of ConditionDirectionNNorth.North.End Treatment (Concrete, Steel, STEELXXNorth.HeadwallXXXCollarXXXCollarXXX(Shape :)XXCutoff WallXXBevel End50IHeaving (mm)50IInvert Above/Below Stream BedABOVEAbove/Below (mm)200IScour/Protection77(Avg. Rock Size(mm) : 300)77Scour/Erosion77Beavers (Y/N)NoVell vegetated.Downstream End General Rating66Channel (U/S and D/S)77Alignment77Alignment77Y77YY400mm CSP D/S @ fence in channel.			6	7					
Culvert Component Last Now Explanation of Condition Direction N N North. End Treatment (Concrete, Steel, STEEL STEEL North. Headwall STEEL X X Headwall X X X Collar X X X Collar X X X (Shape :) X X X Cutoff Wall X X X Bevel End So X X Heaving (mm) So X X Nover/Below Khream Bed ABOVE X X Above/Below (mm) 200 X X Scour/Protection 7 7 Y (Type : RIP RAP) X Y Y (Avg. Rock Size(mm) : 300) Y Y Y Scour/Forsion 7 7 Y Beavers (Y/N) No Y Y Y Beavers (Y/N) No Y Y Itali (Liss (L	g								
DirectionNNorth.End Treatment (Concrete, Steel, STEELXXHeadwallXXKeadwallXXCollarXXCollarXXVingwallsXX(Shape :)XXCutoff WallXXBevel End66Heaving (mm)50									
End Treatment (Concrete, Steel, Others, None) STEEL Headwall X X Headwall X X Collar X X Collar X X Vingwalls X X (Shape :) X X Cutoff Wall X X Bevel End 6 6 Heaving (mm) 50 — Invert Above/Below Stream Bed Abov/Eleow (mm) ABOVE — Scour Protection 7 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 300) 7 7 7 Scour/Erosion No Image to the standard sta				Now					
Others, None)HeadwallXXHeadwallXXCollarXXCollarXX(Shape :)XX(Shape :)XXCutoff WallXXBevel End66Heaving (mm)50			N		North.				
Headwall X X X Collar X X X Collar X X X Wingwalls X X X (Shape :) X X X Cutoff Wall X X X Bevel End 50 X X Invert Above/Below Stream Bed ABOVE ABOVE Above/Below (mm) 200 Image: Coll Coll Coll Coll Coll Coll Coll Col	End Treatment (Concrete, Steel, Others, None)	STEEL							
Wingwalls (shape :)XXCutoff WallXXBevel End66Heaving (mm)50	Headwall		Х	X					
$\begin{tabular}{ c c c c } \hline Shape : & & & & & & \\ \hline Cutoff Wall & & & & & & & \\ \hline Cutoff Wall & & & & & & & & \\ \hline Cutoff Wall & & & & & & & & \\ \hline Shape : & & & & & & & \\ \hline Shape : & & & & & & & \\ \hline Shape : & & & & & & \\ \hline Above/Below Stream Bed & ABOVE & & & & & \\ \hline Above/Below (mm) & & & & & & \\ \hline Shape : & & & & & \\ \hline Above/Below (mm) & & & & & \\ \hline Scour Protection & & & & & \\ \hline Above/Below (mm) & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & & & & \\ \hline Scour Protection & & \\$	Collar		X	Х					
Cutoff Wall X X X Bevel End 6 6 Heaving (mm) 50	Wingwalls		X	X					
Image: body body body body body body body body	(Shape :)								
Heaving (mm) 50 Image: stream Bed ABOVE Invert Above/Below Stream Bed ABOVE Image: stream Bed ABOVE Above/Below (mm) 200 Image: stream Bed Image: stream Bed Image: stream Bed Scour Protection 7 7 7 (Type : RIP RAP) Image: stream Bed Image: stream Bed Image: stream Bed (Avg. Rock Size(mm) : 300) Image: stream Bed Image: stream Bed Image: stream Bed Scour/Erosion 7 7 7 Beavers (Y/N) No Image: stream Bed Image: stream Bed Downstream End General Rating 6 6 6 Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream End General Rating 6 6 6 Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: stream Bed Image: s	Cutoff Wall			Х					
Invert Above/Below Stream Bed ABOVE Above/Below (mm) 200 7 7 Scour Protection 7 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion 7 7 7 Beavers (Y/N) No 7 7 Beavers (Y/N) No V Vell vegetated. Downstream End General Rating 6 6 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 7 7 7 400mm CSP D/S @ fence in channel.	Bevel End			6					
Above/Below (mm) 200 Image: constraint of the system	Heaving (mm) 50								
Scour Protection 7 7 (Type : RIP RAP) (Avg. Rock Size(mm) : 300) 7 Scour/Erosion 7 7 Beavers (Y/N) No 7 7 Downstream End General Rating 6 6 Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) Alignment 7 7	Invert Above/Below Stream Bed ABOVE								
(Type : RIP RAP) (Avg. Rock Size(mm) : 300) Scour/Erosion 7 Beavers (Y/N) No No ✓ Well vegetated. Downstream End General Rating 6 Last Now Explanation of Condition Channel (U/S and D/S) Alignment 7 7 7	Above/Below (mm) 200								
(Avg. Rock Size(mm) : 300) 7 Scour/Erosion 7 7 Beavers (Y/N) No Vell vegetated. Downstream End General Rating 6 6 Image: Structure Usage Image: Structure Usage Image: Structure Usage Image:	Scour Protection			7					
Scour/Erosion 7 7 Beavers (Y/N) No Vell vegetated. Downstream End General Rating 6 6 Image: Structure Usage Image: Structure Usage Image: Structure Usage	(Type : RIP RAP)								
Beavers (Y/N) No Well vegetated. Downstream End General Rating 6 6 Image: Channel (U/S and D/S) Image: Last	(Avg. Rock Size(mm) : 300)								
Downstream End General Rating 6 6 Structure Usage Channel (U/S and D/S) Xow Explanation of Condition Alignment 7 7 400mm CSP D/S @ fence in channel.	Scour/Erosion			7					
Image: Structure Usage Last Now Explanation of Condition Channel (U/S and D/S) 7 7 400mm CSP D/S @ fence in channel.	Beavers (Y/N)	No			Well vegetated.				
Last Now Explanation of Condition Channel (U/S and D/S) 7 7 400mm CSP D/S @ fence in channel.	Downstream End General Ratir	ng	6	6					
Last Now Explanation of Condition Channel (U/S and D/S) 7 7 400mm CSP D/S @ fence in channel.			9	Structu	a 115200				
Channel (U/S and D/S) 7 7 Alignment 7 7 400mm CSP D/S @ fence in channel.									
Alignment 7 7 400mm CSP D/S @ fence in channel.	Channel (U/S and D/S)		14.01						
Bank Stability 7 7	· · · · ·			7	400mm CSP D/S @ fence in channel.				
	Bank Stability			7					
HWM (m below Top of Culvert) No visible HWM.	HWM (m below Top of Culvert)				No visible HWM.				
Drift (Y/N) No									
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating 7 7	Channel General Rating		7	7					

Maintenance Recommendations											
Inspector Recommendations		Year Inspector Comments				Department Com	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/No (%)	ow)	66.7/77.8		Sufficiency Rating (Last/Now) (%)		68.7/73.5 Est. Repl. Yr 2030		2030	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 Jas		Jason Rusu Pro				bus Assistant's Name					
		-2015			Previous	us Inspection Date 02-Jul-2011					
Inspection Cycle (Default) (months) 2											
Comment											