Bridge Culvert Inspection													
Bridge File Number 00597 -1 Bridge Culvert									CUL1				
Year Built 1995						Lot No.		4					
Bridge or Town Name PEARCE					Inspector Name		Garry Roberts						
Located Over TRAIL-ANIMAL, C				AL, OVER SP			· · · · · · · · · · · · · · · · · · ·	or Class		BR CLS A			
Located On 3:08 R1 19.246;3:08 L1 18.901						Assistant Name							
Water Body Cl.	/Year							nt Class					
Navigabil. CI./Y								Inspection Date 30-Nov-2011					
Legal Land Loc		SE SEC	6 TWP 10	RGE 24 W4	M		Data Er			Anne Roberts			
Longitude, Latit			56, 49:47:1					ntry Date	•	08-Jan-2012			
Road Authority			Transportat			Reviewer Name Joel Wozney							
Contract Main.	Area	CMA26						Review Date 13-Dec-2011					
Clear Roadway		34.8 /					Dept. R	Dept. Reviewer Name Tim Davies					
AADT/Year		7,460/2							10-Jan-2012				
Road Classifica		RFD-41					Follow-						
Detour Length	(km)	1						-1 5					
Bridge Culvert	· · · · · · · · · · · · · · · · · · ·												
Number of Culv		1	1										
Pipe #	Barrel	:	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2400		MP		82		75X25	2.8	ROUND	
Special Feature	es												
Special Features Comment													
Posting Information													
Required Vert. Clearance Posting (m)													
Posted Vertical Clearance (Y/N)													
Posted:         Lane         NB         On Bridge (m)         In Advance (Y/N)         Lane         SB         On Bridge (m)         In Advance (Y/N)													
Remarks Not required Utilities (Located at)													
Utility Attachme	ents				Oth		Looutou						
Telephone													
Power						Municip	al						
Others							Problen	n (Y/N)	No				
Remarks													
				Α	pproac	h Road	d / Emba	nkment					
					Last	Now		ation of		tion			
Horizontal Aligr	nment				8	8							
Vertical Alignm	ent				8	8							
		34.800											
Embankment		8	8										
Sideslope (:1) 4.0													
· · · ·	(Height of Cover(m) : <b>1.6</b> )												
Guardrail (Y/N) No													
Approach Road / Embankment General Rating			8	8									
						Unstre	stream End						
Culvert Component			Now		Explanation of Condition								
Direction			1		N		NORTH						
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall		Х	X										
Collar			X	X									

Alberta Transportation

Upstream End								
Culvert Component		Last	Now	Explanation of Condition				
Wingwalls			X					
(Shape : )			1					
Cutoff Wall		Х	X					
Bevel End			8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300		1					
Scour Protection			8					
(Type : <b>RIP RAP</b> )				-				
(Avg. Rock Size(mm) : <b>300</b> )			1					
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Upstream End General Rating		8	8					
		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2400, Type: MP)				
Barrel Last Accessible Date	30-Nov-2011							
Special Features			1					
Special Feature								
(Type:)								
Special Feature								
(Type : )								
Roof	0.400	8	8					
Measured Rise (mm)	2400			-				
Measured At Ring No. Sag (mm)	4							
Percent Sag	0							
Sidewall		8	8	inward				
Measured Span (mm)	2310	0	0					
Measured At Ring No.	4							
Deflection (mm)	90							
Percent Deflection	3							
Floor	•	N	N	Avg 150mm of dirt				
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		8	8					
Separation (mm)	40							
Longitudinal Seams		Х	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		7	7					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	No							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

00597 -1 Bridge Culvert

Cluyer ComponentIdeaIveExplanation of ConditionPipe 3: 1. primary Span. Local: Model Spate Note: State Note: St			Brid	d <u>ge Cu</u>	Ivert Barrel
Camber POS/ZERO/NEGZEROIIPonding (V/N)NoXXFish Passage AdequacyXXSaltleXXType : JXXVaterway AdequacyXXIong (V/N)NoISitting (V/N)NoINoIIBarrel General RatingNoIUrey ComponentIIInd Trasiment (Concrete, Site)STEELIOthers, None)STEELIOthers, None)IIIong Transmit (Concrete, Site)STEELIOthers, None)STEELIIong Transmit (Concrete, Site)IIOthers, None)IIIong Transmit (Concrete, Site)IIIong Transmit (Concrete, Site)II<	Culvert Component				
Ponding (Y/N)     No     Vertex     Topy this imap       Fish Passage Adequacy     X     X     X       Baffle     X     X     X       Type : ]     X     X     X       Using (Y/N)     No     X     X       Sitting (Y/N)     No     X     X       Dark (Y/N)     No     X     X       Sitting (Y/N)     No     X     X       Dark (Y/N)     No     X     X       Dark (Y/N)     No     X     X       State Goneral Rating     X     X     X       Dark (Y/N)     No     X     X       Dark (Y/N)     X     X     X       Dark (Y/N)     X     X     X       Sour Floation (Concrite, Steel, Ste	(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2400, Type: MP)
Fish Passage Adequacy       X       X         Baifle       X       X         Cype : )       X       X         Waterway Adequacy       X       X         Leing (Y/N)       No       Image: Component of Component	Camber POS/ZERO/NEG	ZERO			
adifiexxType :)xxWaterway AdequacyxxKing (Y/N)NoxSitting (Y/N)NoxSitting (Y/N)NoxSitting (Y/N)NoxDrift (YN)NoxBarrel General Rating88Cuiver ComponentLastNowExplanation of ConditionSDirectionSGrade Team (Concrete, Steel, STEEL)XXCollarXXCollarXXCollarXXCollarXXCollarXXCollarXXSevel EndABOVE	Ponding (Y/N) No				Dry this insp
Type : )Image: Section of the s	Fish Passage Adequacy			X	
Waterway AdequacyNoXXleing (Y/N)No	Baffle		Х	Х	
Waterway AdequacyNoXXleing (Y/N)No	(Type : )				
Iding (YiN)         No         Image: String (YiN)         No           Sitting (YiN)         No         Image: String General Rating         Image: String General Rating General Rating         Image: String General Rating General Rating         Image: String General Rating General Rating General Rating         Image: String General Rating Ge			Х	Х	
Sitting (Y/N)NoDrift (Y/N)NoBarel General Rating88Barel General Rating888Enderstanding of ConditionColvert ComponentLastNowExplanation of ConditionOutwert Comprete, Steel, Others, None)STEELSOUTH ENDCollerXXFed Treatment (Concrete, Steel, Others, None)XXFed wallXXXCollarXXCollarXXCollarXXSteel EndAXGene EndADOVE-Bevel EndADOVE-Abova/Below (mm)400-Abova/Below (mm)400-Scour ProtectionA8Scour ProtectionA8Scour ProtectionA8Stagewars (V/N)No-Stagewars (V/N)No-Stageward (Type: -)-Stageward (V/N)No-<	· · · · ·	No			
Barrel General Rating 6 8 8 Utvert Component Last Now Explanation of Condition Soutr End Treatment (Concrete, Steel, STEEL Headwall Steel, STEEL Headwall X X X Collar X X X Mingwalls X X X Mingwalls X X X Sevel End ABOVE Sevel End ABOVE ABOVE ABOVE Soutr Foreion 400 Scour Protection ABOVE Scour Protection 400 Scour Protection 8 8 Heaving (mm) 0 No 8 Scour Protection 8 Sourt Foreion 8 Sourt Foreion 8 Sourt Foreion 400 Scour Protection 100 Scour Protection 400 Scour Protection 400 Scour Protection 400 Scour Protection 40 Scour Protection 40 Sco		No			
Downstream EndColvert ComponentLastKorvert SteelCollarSSOUTH ENDCollarXXCollarXXCollarXX(Shape : )XXCutoff WallXXSever EndXXSever EndABOVEAbove/Below Stream BedABOVEAbove/Below Stream BedABOVEAbove/Below Stream BedABOVEAbove/Selow Stream BedABOVESourd Frotection88(Type : NP RAP)		No			
Culver ComponentImage: space	Barrel General Rating		8	8	
DirectionSTELSUTH ENDEnd restment (Concrete, Stee), STELXXHeadwallXXCollarXXCollarXXCollarXX(Shape : )XX(Shape : )XX(Shape : )XX(Shape : )XX(Shape : )XX(Shape : )XX(Shape : )XXSevel EndBOVE8Heaving (mm)0Above/Below Stream BedABOVEScour Protection400Scour ProtectionVScour/ErosoinNo			D	ownstr	ream End
End Treatment (Concrete, Steel, STEEL     STEEL       Others, None)     X     X       Headwall     X     X       Collar     X     X       Collar     X     X       (Shape : )     X     X       Cutoff Wall     X     X       Sevel End     8     8       Heaving (mm)     0	Culvert Component			Now	Explanation of Condition
Chere, None)Image: Some set of the set o	Direction		S		SOUTH END
CollarXXCollarXXKingenetXX(Shape: )XX(Shape: )XXCutoff WallXXBevel End88Heaving (mm)0 $$	End Treatment (Concrete, Steel, STEEL Others, None)				
VingwallsVV(Shape: $\times$ XX(Shape: $\times$ XXSevel End88Heaving (mm)0 $\sim$ nvert Above/Below Stream BedABOVE $\sim$ Above/Below (mm)400 $\sim$ Scour Protection88(Type: RIP RAP) $\times$ (Avg. Rock Size(mm): 400)88Beavers (Y/N)No88Beavers (Y/N)NoExplanation of ConditionGrade Separation88Grade SeparationX3Grade SeparationX90 DEG. TURN NORTHRoad AlignmentNo $\times$ Road AlignmentNo $\times$ Grade SeparationXXTraffic Safety FeaturesXXTraffic Safety FeaturesXXTraffic Safety FeaturesXXType $ -$ Lighting $\vee$ XXXYpe $-$ XXXYpe $-$ Lighting $-$ Ymap $-$ YmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYmapYYm	Headwall		Х	X	
(Shape : )Image: Shape : )Image: Shape : )Image: Shape : )Cutoff WallXXXBevel End88Heaving (mm)0Image: Shape : )Invert Above/Below Stream BedABOVEImage: Shape : )Above/Below (mm)400Image: Shape : )Scour Protection400Image: Shape : )Scour Protection400Image: Shape : )Scour Protection400Image: Shape : )Scour Protection88(Arg. Rock Size(mm) : 400)Image: Shape : )Scour/Erosion88Beavers (Y/N)NoImage: Shape : )Downstream End General Rating88Stade SeparationImage: Shape : )Grade SeparationXXSrade Separation5Grade Surge (Y/N)NoIcing (Y/N)NoNoImage: Shape : )Icing (Y/N)NoIcing (Y/N)NoIcing (Y/N)NoIcing (Y/N)NoIcing (Y/N)NoIcing (Y/N)XIcing (Y/N)XIcin	Collar			Х	
Cutoff WallXXXBevel End88Heaving (mm)0	Wingwalls		Х	X	
Bevel End88Bevel End0	(Shape : )				
Heaving (mm)0IABOVEABOVEABOVe/Below (mm)4004008Scour Protection8Scour Protection8(Avg. Rock Size(mm) : 400)Scour/Erosion8Beavers (Y/N)NoBeavers (Y/N)NoBownstream End General Rating8BaddingmentXRoad AlignmentXRoad AlignmentXRoad AlignmentXXXTraffic Safety FeaturesXYapeXXXTypeXXXTypeXXXXXXXXXXXXXYapeXXXYapeXXXYapeXXXYapeXXXYapeX<	Cutoff Wall			X	
Invert Above/Below Stream Bed Above/Below (mm)         ABOVE         Image: Stream Bed Above/Below (mm)         ABOVE           Scour Protection         8         8         8           (Type : RIP RAP) (Avg. Rock Size(mm) : 400)         Image: Stream Bed Scour/Erosion         8         8           Beavers (Y/N)         No         8         8           Downstream End General Rating         8         8           Image: Stream End General Rating         8         8           Stream End General Rating         8         8           Image: Stream End General Rating         8         8           Stream End General Rating         8         8           Image: Stream End General Rating         8         8           Stream End General Rating         8         8           Stream End General Rating         8         8           Stream End General Rating         90 DEG. TURN NORTH           Grade Separation         5         90 DEG. TURN NORTH           Roadway Surface         6         6           (Type :)         1         X         X           Icing (Y/N)         No         1         1           Icing (Y/N)         No         1         1           Icing (Type :	Bevel End		8	8	
Above/Below (mm)400Image: Constraint of the second	Heaving (mm)	0			
Scour Protection         8         8           (Type : RIP RAP) (Avg. Rock Size(mm) : 400)         8         8           Scour/Erosion         8         8           Beavers (Y/N)         No         5           Downstream End General Rating         8         8           Carde Separation         8         8           Grade Separation         X         X           Road Alignment         X         X           (Type :)         1         5           Circle (Y/N)         No         90 DEG. TURN NORTH           Indignment         X         X           Traffic Safety Features         X         X           Type          X         X           Lighting         X         X         X	Invert Above/Below Stream Bed	ABOVE			
$\begin{tabular}{ c c c } \hline Type : RIP RAP & Type $	Above/Below (mm)	400			
(Avg. Rock Size(mm) : 400)88Scour/ErosionNo88Beavers (Y/N)No $\checkmark$ $\checkmark$ Downstream End General Rating888Downstream End General Rating888Explanation of ConditionExplanation of ConditionGrade SeparationXXRoad AlignmentXXRoad AlignmentXXRoadway Surface66(Type :)1 $\checkmark$ Icing (Y/N)No $\checkmark$ Traffic Safety FeaturesXXType $\checkmark$ XLightingXXNo $\checkmark$ XXXYapeX<	Scour Protection		8	8	
Scour/Erosion88Beavers (Y/N)No $I$ $I$ Downstream End General Rating88ExtractionExtraction of ConditionGrade SeparationXXXXRoad AlignmentXXRoadway Surface66(Type :)No $I$ $I$ Crig (Y/N)No $I$ $I$ Traffic Safety FeaturesXXType $I$ $X$ XLightingXXNo $I$ $I$	(Type : <b>RIP RAP</b> )				-
Beavers (Y/N)NoImage: Constraint of Constraint of ConditionDownstream End General Rating88Constraint Constraint of ConditionConditionCarde SeparationKXGrade SeparationXXRoad AlignmentXXRoadway Surface66(Type : )NoImage: Constraint of ConditionCring (Y/N)NoImage: Constraint of	(Avg. Rock Size(mm) : 400)				
Downstream End General Rating     8     8       Structure Usage       Last     Now     Explanation of Condition       Grade Separation     X     X     90 DEG. TURN NORTH       Road Alignment     X     X     90 DEG. TURN NORTH       Roadway Surface     6     6       (Type : )     No     X     X       Traffic Safety Features     X     X       Type     X     X       Lighting     X     X	Scour/Erosion		8	8	
Image: Structure Usage       Image: Structure Usage	Beavers (Y/N)	No			
Last     Now     Explanation of Condition       Grade Separation     X     X       Road Alignment     X     X       Roadway Surface     6     6       (Type : )     V     K       Icing (Y/N)     No     I       Traffic Safety Features     X     X       Type     I     X     X       Lighting     X     X     X	Downstream End General Rati	ng	8	8	
Last     Now     Explanation of Condition       Grade Separation     X     X       Road Alignment     X     X       Roadway Surface     6     6       (Type : )     V     K       Icing (Y/N)     No     I       Traffic Safety Features     X     X       Type     I     X     X       Lighting     X     X     X				Structu	re Usage
Grade Separation         Road Alignment       X       X       X         Roadway Surface       6       6       90 DEG. TURN NORTH         Item (Type : )       No       Item (Type (					
Road Alignment     X     X     X     90 DEG. TURN NORTH       Roadway Surface     6     6       (Type : )     Image: Constraint of the second se	Grade Separation				
Roadway Surface 6   (Type : )   loing (Y/N)   No   Traffic Safety Features   Type   Lighting     X      X     X     X	Road Alignment		Х	Х	90 DEG. TURN NORTH
(Type : )NoXXTraffic Safety FeaturesXXTypeXXLightingXX	Roadway Surface			6	
Traffic Safety Features     X     X       Type     X     X       Lighting     X     X					
Type X X X	Icing (Y/N)	No			
Type X X X	Traffic Safety Features		Х	X	
Lighting X X					1
Barrel Leakage (Y/N) No	Lighting		Х	Х	
	Barrel Leakage (Y/N)	No			

Structure Usage								
		Last	Now	Explanation of Condition				
Drainage			6					
Structure In Use (Y/N) No				Not fenced at South end				
Grade Separation General Rating			6					

		Maintenance Recomm	endations					
Inspector Recommendations	Year	Inspector Comments	Department Comme	Target Yea	r 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) 88.9/88	.9 Sufficiency Rating (Last/Now) (%)	90.0/90.0 E	<b>90.0/90.0</b> Est. Repl. Yr 2051		Maint. Reqd. (Y/N)		
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Estimated T	otal 0		
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Garry Roberts	Previo	us Assistant's Name					
Next Inspection Date	30-Aug-2013	Previo	us Inspection Date	s Inspection Date 19-May-2010				
Inspection Cycle (Default) (months)	21							
mopoorality (morning)	21							