Thickness  1 MAIN 2895 3200 SPE 26.8 152X51 3.5,3.5,3.5 ELLIP					-	Rrida	o Culve	art Incha	ction						
Year Built										CULM					
Bridge or Town Name		1001						<u> </u>	рс						
Located Over   NANTON CREEK, 2.12.12.15,   Inspector Class   BR CLS A		Nama		N											
WATERCRS-ST		INAIIIC			2 12 12 5						-				
Sasistant Class	Localed Over				DQ_QT						DR CLS A				
Inspection Date   22-May-2010   Date Entry Date   Erin Roberts	Located On		533:02 (	C1 31.962											
Navigabil. CL/Year   Legal Land Location   SW SEC 18 TWP 16 RGE 28 W4M   Data Entry By   Erin Roberts	Water Body Cl.	/Year													
Legal Land Location         SW SEC 18 TWP 16 R6E 28 W4M         Data Entry Date         15-Jul-2010           Longitude, Latitude         -113:50:28, 50:20:20         Reviewer Name         Tom Carey           Road Authority         Alberta Transportation (AIT)         Reviewer Name         Co-Jun-2010           Contract Main. Area         CMA27         Dept. Review Date         Dept. Review Date         23-Jul-2010           Clear Roadway/Skew         8.2 /         Dept. Review Date         23-Jul-2010         Pollow-Up By           Rod Classification         RCU-209-110         Pollow-Up By         Pollow-Up By         Pollow-Up By           Bridge Culvert Information           Number of Culverts         2         Pipe #         Barrel         Span         Rise (or Dia.)         Type         Length         Corr. Profile         PI/Slab         Shape           1         MAIN         2895         3200         SPE         26.8         152X51         3.5,3.5,3.5         ELLIP           Special Features         Special Features Comment         Utilities (Located at)           Utility Attachments           Telephone         s. ditch         Gas         80m N of CL           Problem (Y/N)         No	Navigabil. Cl./Y	ear						· ·	· · · · · · · · · · · · · · · · · · ·						
Longitude, Latitude	Legal Land Loc	ation	SW SEC	C 18 TWP 16 R	GE 28 W4	М									
Review Date	Longitude, Latit	ude	-113:50:	:28, 50:20:20											
Contract Main. Area   Clear Roadway/Skew   8.2 /	Road Authority		Alberta	Transportation	(AIT)				-						
Clear Roadway/Skew	Contract Main Area CMA27														
AADT/Year								·							
Road Classification   RCU-209-110										ale	23-Jul-2010				
Bridge Culvert Information	Road Classifica	ition	RCU-20	9-110				Follow-C	рр Бу						
Bridge Culvert Information															
Number of Culverts   2			ation												
MAIN   2895   3200   SPE   26.8   152X51   3.5,3.5,3.5   ELLIP				2											
2         MAIN         2895         3200         SPE         26.8         152X51         3.5,3.5,3.5         ELLIP           Special Features Comment           Utilities (Located at)           Municipal           Municipal           Others           Fibre optics over pipe @ S           Problem (Y/N)         No           Explanation of Condition           Horizontal Alignment         8         7         Farm ent 200m W         Farm ent 200m W         Hill 300m E & 150m W         Hill 300m E & 150m W         Embankment         7         7         Sideslope (_:1)         1.8         (Height of Cover(m): 1.6)         1.8         (Height of Cover(m): 1.6	Pipe #	Barrel		Span	Rise (or D	ia.)	Туре	I	Length		Corr. Profile		Shape		
2         MAIN         2895         3200         SPE         26.8         152X51         3.5,3.5,3.5         ELLIP           Special Features Comment           Utilities (Located at)           Municipal           Others           Fibre optics over pipe @ S           Problem (Y/N)         No           Explanation of Condition           Horizontal Alignment           Vertical Alignment         8         7         Farm ent 200m W         Hill 300m E & 150m W           Embankment         7         7         Sideslope (_:1)         1.8           (Height of Cover(m) : 1.6)	1	MAIN		2895	3200		SPE	26.8			152X51	3.5,3.5,3.5	ELLIPSE		
Utilities (Located at)  Utility Attachments  Telephone s. ditch Gas 80m N of CL  Power 300 m TO W Municipal  Others Fibre optics over pipe @ S  Remarks  Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 8 7 Farm ent 200m W  Vertical Alignment 7 6  Embankment 7 7  Sideslope (_:1) 1.8  (Height of Cover(m): 1.6)	2	MAIN		2895	3200		SPE	2			152X51		ELLIPSE		
Utilities (Located at)  Utility Attachments  Telephone s. ditch Gas 80m N of CL  Power 300 m TO W Municipal  Others Fibre optics over pipe @ S Problem (Y/N) No  Remarks  Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 8 7 Farm ent 200m W  Vertical Alignment 7 6 Hill 300m E & 150m W  Roadway Width (m) 8.200  Embankment 7 7 Sideslope (_:1) 1.8  (Height of Cover(m): 1.6)	Special Feature	es													
Utilities (Located at)  Utility Attachments  Telephone s. ditch Gas 80m N of CL  Power 300 m TO W Municipal  Others Fibre optics over pipe @ S Problem (Y/N) No  Remarks  Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 8 7 Farm ent 200m W  Vertical Alignment 7 6 Hill 300m E & 150m W  Roadway Width (m) 8.200  Embankment 7 7 Sideslope (_:1) 1.8  (Height of Cover(m): 1.6)	Special Feature	s Comr	ment												
Utility Attachments  Telephone s. ditch Power 300 m TO W Others Fibre optics over pipe @ S  Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 8 7 7 Farm ent 200m W Vertical Alignment 7 6 Hill 300m E & 150m W  Embankment 7 7 Sideslope (_:1) 1.8  (Height of Cover(m): 1.6)	·														
Telephone						Uti	ilities (L	_ocated a	it)						
Power   300 m TO W   Municipal	-	nts								ı					
Others Fibre optics over pipe @ S  Remarks  Approach Road / Embankment  Last Now Explanation of Condition  Horizontal Alignment 7 6  Roadway Width (m) 8.200  Embankment 7 7  Sideslope (_:1) 1.8  (Height of Cover(m) : 1.6)	Telephone														
Approach Road / Embankment	Power														
Approach Road / Embankment								Problem	Problem (Y/N) NO						
Last   Now   Explanation of Condition	Remarks														
Horizontal Alignment															
Vertical Alignment         7         6         Hill 300m E & 150m W           Roadway Width (m)         8.200         T         7         7           Sideslope (:1)         1.8         (Height of Cover(m) : 1.6)         1.8         T <td colspan="7"></td> <td></td> <td></td> <td></td> <td>tion</td> <td></td> <td></td>											tion				
Roadway Width (m)   8.200								Hill 300m E & 150m W							
Embankment 7 7  Sideslope (:1) 1.8  (Height of Cover(m) : 1.6)				0.000		6									
Sideslope (:1)	Roadway Width	ı (m)		8.200											
(Height of Cover(m) : 1.6)	Embankment					7	7								
(Height of Cover(m): 1.6)	Sideslope (	:1)		1.8											
Guardrail (Y/N) No	(Height of Co	ver(m) :	1.6)	·											
	· •			No											
Approach Road / Embankment General Rating 7 6	Approach Roa	d / Emk	oankmer	nt General Rat	ing	7	6								
Upstream End															
Culvert Component Last Now Explanation of Condition					L	_ast	Now	Explana	ition of	Condi	tion				
(Pipe # : 1, Span Type: Primary Span)		an Type	e: Prima	ry Span)				1							
End Treatment (Concrete, Steel, STEEL	Direction End Treatment (Concrete, Steel, STEEL			(5	3		South end West pipe								
Others, None)  Headwall  X  X						X	X								
Collar X X	Collar					X	X								
Wingwalls X X	Wingwalls			X	X										
(Shape: )	(Shape: )														

00692 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	Х	
Bevel End		6	7	
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>400</b> )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating			7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 2895	, Rise (mm): 3200, Type: SPE)
Barrel Last Accessible Date	22-May-2010			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof			6	estimate
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	165			
Percent Sag	5			
Sidewall		5	6	(water seepage thru east sidewall bolts) 25/06/2003
Measured Span (mm)	3060			
Measured At Ring No.	3			
Deflection (mm)	165			
Percent Deflection	5			
Floor		N	N	Silt covered
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	1N stagger
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel 0 Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor superficial corrosion
Corrosion By Soil (Y/N)				1
Corrosion By Water (Y/N)	Voc			1

Bridge Culvert Barrel										
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 2895	, Rise (mm): 3200, Type: SPE)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		7	7							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		8	7	300mm silt						
Icing (Y/N)	No									
Silting (Y/N)	Yes									
Drift (Y/N)	No									
Barrel General Rating		5	6							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	/ Span)									
Direction		N		North end West pipe						
End Treatment (Concrete, Steel, Others, None)	STEEL	X								
Headwall			X							
Collar			X							
Wingwalls		X	X							
(Shape: )		1								
Cutoff Wall		X	X							
Bevel End	T	6	7							
Heaving (mm)	300									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	100		1							
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : <b>300</b> )		1 _	T _							
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	6	7							
			Upstre	am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Direction		S		South end East pipe						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall			X							
Collar		Х	X							
Wingwalls		X	X							
(Shape: )										
Cutoff Wall		X	X							

00692 -1 Bridge Culvert

			am End					
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Bevel End		7	7					
Heaving (mm)	300							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100							
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm): 400)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		6	7					
		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm): 28	895, Rise (mm): 3200, Type: SPE)				
Barrel Last Accessible Date	22-May-2010			East pipe				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		6	6	Estimate				
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)	150							
Percent Sag	4							
Sidewall		6	6					
Measured Span (mm)	3034							
Measured At Ring No.	3							
Deflection (mm)	139							
Percent Deflection	4							
Floor		N	N	Silt covered				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams		7	7	1N stagger				
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)	0							
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	Yes							
Coating		6	6	Minor corrosion				
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							

Bridge Culvert Barrel										
Culvert Component				Explanation of Condition						
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): 2895, Rise (mm): 3200, Type: SPE)										
Ponding (Y/N)	No									
Fish Passage Adequacy		7	7							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		8	7	300mm silt						
Icing (Y/N)	No									
Silting (Y/N)	Yes									
Drift (Y/N)	No									
Barrel General Rating		6	6							
Ordered Order		1	1	ream End						
Culvert Component	 	Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)	1		I						
Direction	T	N		North end East pipe						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar			Х							
Wingwalls			Х							
(Shape: )		Х								
Cutoff Wall			X							
Bevel End		7	7							
Heaving (mm)	200									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	100									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	7	7							
		S	Structu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)		<u>'</u>								
Alignment			8							
Bank Stability			7							
HWM (m below Top of Culvert)				No visible HWM						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading  DEGRADING										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		9	8							

				Mainte	enance Rec	commend	lations							
Inspector Recommendations	Year Inspector Comments					Department Con	nmen		Target \	⁄ear	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)	55.6/66.7		Sufficiency Rating (Last/Now) (%)		ow)	69.3/71.8		t. Repl. Yr	2025	Mair	Maint. Reqd. (Y/N)		No
Special Comments for Next Inspection							Department Comments							
Maintenance Reviewed By							Date			E	Estimated	l Total	0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name	Tim Da	Fim Davies				Previous Assistant's Name								
Next Inspection Date	22-Aug	22-Aug-2013					Previous Inspection Date 17-Jan-2007							
	39													
Comment														