							-					
					dge Culv	ert Inspe			0			
Bridge File Nun	nber		-1 Bridge Culve	rt		Form T	• •		CULM			
Year Built		1986				Lot No.			2			
Bridge or Town	Name					Inspector Name			Owen Salava			
Located Over 2ND ORDER TRIBUTARY TO M CREEK, 5.47.4.1.3.1, WATERCH								BR CLS A				
Located On 611:02 C1 44.125												
Water Body Cl.	r Body Cl./Year						Assistant Class Inspection Date 07-Feb-2013					
Navigabil. Cl./Year							Data Entry By  Marcia Chavez					
Legal Land Location SE SEC 4 TWP 45 RGE 26 W4N							ntry Dy		07-Mar-2013			
Longitude, Latitude -113:42:28, 52:50:36							er Name		John O'Brien			
Road Authority	Authority Alberta Transportation (AIT)					Review			14-Feb-2013			
Contract Main.	ain. Area CMA17							lame	Chris Black			
Clear Roadway	/Skew	9.4 /				·	Review Dat		14-Mar-2013			
AADT/Year		600 / 2	011 (A)			Follow-						
Road Classifica		RCU-2	10-110									
Detour Length		3										
Bridge Culvert		ation										
Number of Culv			2	D: ( D:	\ <del>-</del>				0 0 0	DI (OL I		
Pipe #	Barrel		Span	Rise (or Dia	.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1400	MP		25.4		68X13	2.8	ROUND	
2	MAIN		-	1400	MP		25.4		68X13	2.8	ROUND	
Special Feature	es											
Special Feature	es Comi	ment										
						(1	- 4)					
Utility Attachme	onto				Utilities	(Located	at)					
Telephone		ditch.				Gas						
Power		North r	/w			Municip	nal					
Others	1 1110	71101111				Probler		No				
Remarks						17.70.00	(.,,					
				Appro	oach Roa	ad / Emba	ankment					
				La	st Now	Explan	Explanation of Condition					
Horizontal Align	nment				7 7	Interse	Intersection 150m East.					
Vertical Alignm				8	3 8							
Roadway Width	n (m)		9.400									
Embankment												
				6	6							
	:1)		3.0	(	6							
Sideslope (		: 1)	3.0	(	6							
	ver(m) :	: 1)	3.0 No	6	6 6							
Sideslope (	ver(m) :		No									
Sideslope (	ver(m) :		No		7 7							
Sideslope (	ver(m) :		No	ing 7	7 7 Upstr	eam End						
Sideslope (	ver(m)	bankme	No nt General Rat		7 7 Upstr		ation of C	condit	ion			
Sideslope (	ver(m)	bankme	No nt General Rat	ing 7	7 7 Upstr	Explan	ation of C	condit	ion			
Sideslope (	ver(m)	oankme e: Prima	No Int General Rat Ary Span)	ing 7	7 7 Upstr		ation of C	ondit	ion			
Sideslope (	ver(m)	oankme e: Prima	No Int General Rat Ary Span)	ing 7	7 7 Upstr st Now	Explan	ation of C	condit	ion			
Sideslope (	ver(m)	oankme e: Prima	No Int General Rat Ary Span)	ing 7	7 7 Upstr	Explan	ation of C	condit	ion			
Sideslope (	ver(m)	oankme e: Prima	No Int General Rat Ary Span)	ing 7	7 7 Upstr st Now	Explan	ation of C	condit	ion			
Sideslope (	ver(m)	oankme e: Prima	No Int General Rat Ary Span)	ing 7	7 7 Upstr st Now	Explan	ation of C	condit	ion			

80617 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	X	
Bevel End		N	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		N	N	Snow covered.
(Type : )				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Upstream End General Rating		N	6	
			dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	07-Feb-2013			East pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	6	Unable to measure due to ice.
Measured Rise (mm)	1320			
Measured At Ring No.	2			
Sag (mm)	80			(5.7%. 09Sep2003).
Percent Sag	6			`
Sidewall		N	5	
Measured Span (mm)	1500			
Measured At Ring No.	2			
Deflection (mm)	100			7.1%
Percent Deflection	7			
Floor		N	N	lce
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	4	Minor infiltration at u/s seam.
Separation (mm)	130			
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	5	Floor pitting.
Corrosion By Soil (Y/N)	No			
Corresion By Water (V/N)	Vec			

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Spa	ın (mm		, Rise (mm): 1400, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		N	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	Span)			
Direction		S		East pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape: )		1		
Cutoff Wall		X	X	
Bevel End		N	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	200			
Scour Protection		N	N	Snow covered.
(Type:)				
(Avg. Rock Size(mm) : )				0
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratin	ng	N	6	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		N		West pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape: )			1	
Cutoff Wall		X	X	

80617 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Bevel End		N	6	
Heaving (mm)	0			
	ABOVE			
Above/Below (mm)	300			
Scour Protection		N	N	Snow covered.
(Type:)			_	
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		N	6	
		D.::	dero Cu	heart Dawel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN S			, Rise (mm): 1400, Type: MP)
Barrel Last Accessible Date	07-Feb-2013	paii (I		West pipe
Dairei Lasi Accessible Dale	07-Feb-2013			west pipe
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		N	5	
Measured Rise (mm)	1320			
Measured At Ring No.	2			
Sag (mm)	80			5.7%
Percent Sag	6			
Sidewall		N	4	No action - no change of shape since 2003.
Measured Span (mm)	1515			
Measured At Ring No.	2			
Deflection (mm)	120			8.2%
Percent Deflection	8			
Floor		N	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	4	Minor material loss at both seams.
Separation (mm)	130			
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		N	5	Floor pitting.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	mm):	, Rise (mm): 1400, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		N	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
		D	ownstr	ream End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)		111011	
Direction		s		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		N	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	200			
Scour Protection		N	N	Snow covered.
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	6	
		9	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)			1	
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

			Maintenand	e Recommen	dations					
Inspector Recommendations	Year	Inspector	Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2013	Place expa	anding foam at all circ	cumferential						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 44.4/		Sufficiency Rating (L %)	_ast/Now)	64.2/56.8	Est. Repl. Yr	2023	Maint. Re	qd. (Y/N)	Yes
Special Monitor deflection. Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date			Estimated Tota	I 0	
Proposed Long-Term Strategy									·	
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava	а		Previous	Assistant's Name					
Next Inspection Date	07-May-2016	3		Previous	Inspection Date	03-Mar-2010				
Inspection Cycle (Default) (months)	39									
Comment										