Bridge File Number						Brida	e Culve	ert Inspe	ction					
Year Built 1998	Bridge File Nur	nber	71869 -1	Bridge Culve	rt						CULM			
Inspector Name														
Located Over									or Name		Owen Salava			
Located On 9.08 C 1 49.976					ATERO	CRS-ST	· ·							
Mater Body CL / Year Navigabil Cl / Year										Dit 626 /t				
Navigabl CLYPar Legal Land Location Name Section Name Name		/Year						Assistant Class						
Legal Land Location										02-Nov-2011				
Longitude, Latitude						4M								
Road Authority														
Colear Radin Area Colear Radin Series Colear Radin Series Colear Radin Series Colear Radin Series				•	(AIT)			_						
Clear Roadway Skew 12.8 / 8 deg. (RHF) Dept. Reviewer Name Andrew Smikles		Area		, , , , , , , , , , , , , , , , , , ,	()									
AADT/Year 2,620 / 2010 (A) Bept. Review Date Dept. Review Date Dept. Cept. Sept. Review Date Dept. Review Date Dept. Cept. Review Date Dept. Review Da				dea (RHF)						ame				
Road Classification RAU-211.8-110 7		7011011						i i						
Product Find Product Product		ation						<u> </u>			02 200 2011			
Number of Culverts									OP 2)					
Number of Culty Pipe # Barre Span Rise (or Dia) Type Length Corr. Profile Pil/Siab Thickness			•											
Pipe # Barre				······································										
1					Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape	
2	1	MAIN	-		3000		MP		51.2		125X26		ROUND	
Special Features	2	MAIN	-			MP		51.2				ROUND		
Special Features Comment Suth Ir/w. Gas Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Month of RR tracks, North of pipes Municipal Miles Municip	Special Feature											1		
Utility Attachments	•		ment											
Villity Attachment South r/w. Gas South r/w. Gas Municipal Muni	·													
Telephone						Uti	ilities (L	ocated	at)					
Power A wire North of RR tracks, North of pipes.	Utility Attachme													
Others Old telegraph lines. Problem (Y/N) No Approact / Embankment Horizontal Alignment 8 8 8 8 Grade to the West. Vertical Alignment 7 7 7 Roadway Width (m) 12.800 Ditch erosion at SW now vegetated. Sideslope (_:1)	·													
Remarks Rema				es.		·								
Horizontal Alignment	Others	Old te	legraph li	nes.				Problen	n (Y/N) N	lo				
Last Now Explanation of Condition Horizontal Alignment 8 8 6 rade to the West. Vertical Alignment 12.800 Image: Condition of	Remarks													
Horizontal Alignment					A		_							
Vertical Alignment 7 7 Roadway Width (m) 12.800 Image: Control of the properties o	Horizontal Align	nment									LIOII			
Roadway Width (m) 12.800														
Embankment				12 900		1								
Sideslope (_:1)	Roadway Widti	1 (111)		12.000										
Collar Signature Concrete, Steel, Others, None Collar Signature Collar Signature Signa	Embankment					6	6	Ditch er	osion at S	W no	w vegetated.			
Guardrail (Y/N) No Approach Road / Embankment General Rating 7 7 Upstream End Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) CONCRETE Others, None) 8 8 Headwall 8 8 Wingwalls X X	Sideslope (_:1)		4.0										
Approach Road / Embankment General Rating 7 7 Upstream End Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) N East pipe. End Treatment (Concrete, Steel, Others, None) CONCRETE Sast pipe. Headwall 8 8 Collar 8 8 Wingwalls X X	(Height of Co	ver(m):	3.2)											
Culvert Component Last Now Explanation of Condition	Guardrail (Y/N)			No										
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N East pipe. End Treatment (Concrete, Steel, Others, None) CONCRETE S Headwall 8 8 Collar 8 8 Wingwalls X X	Approach Roa	d / Eml	oankmen	t General Rat	ing	7	7							
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction N East pipe. End Treatment (Concrete, Steel, Others, None) CONCRETE S Headwall 8 8 Collar 8 8 Wingwalls X X							Upstre	am End						
Collar Span Type: Primary Span	Culvert Compo	onent						1	ation of Co	ondi	tion			
End Treatment (Concrete, Steel, Others, None) CONCRETE Headwall 8 8 Collar 8 8 Wingwalls X X	(Pipe # : 1, Sp	an Type	e: Primar	y Span)				-						
End Treatment (Concrete, Steel, Others, None) CONCRETE Headwall 8 8 Collar 8 8 Wingwalls X X						N		East pir	oe.					
Collar 8 8 8 Wingwalls X X	End Treatment (Concrete, Steel, CONCRETE Others, None)													
Wingwalls X X						8	8							
	Collar	Collar			8	8								
(Shape:)	Wingwalls					Х	X							
	(Shape:)													

71869 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		N	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	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, Loca	tion Code: MAIN, Spa	n (mm) :	, Rise (mm): 3000, Type: MP)
Barrel Last Accessible Date	11-Mar-2010			Thin ice, 1.3m water; viewed from ends, shape looks good.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	N	(Unable to measure rise. 11Mar2010).
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0		,	(Estimate 1%. 11Mar2010).
Sidewall		7	N	(Span measured @ South end = 2981mm, 19mm. Mid point =
Measured Span (mm)	2967			2991mm, 9mm. 11Mar2010).
Measured At Ring No.				(At North end. 11Mar2010).
Deflection (mm) 33				(1.1%. 11Mar2010).
Percent Deflection	1			
Floor	T	N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	N	
Separation (mm)	15			
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		6	6	
Corrosion By Soil (Y/N)	No			
Correcion By Water (V/N)	Voc			

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	n):	, Rise (mm): 3000, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		8	8					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		7	N	GR was 7 from 11Mar2010.				
		D	ownstr	eam 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		X	X					
Collar		X	X					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		8	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	600		1					
Scour Protection		8	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)			1					
Scour/Erosion		N	8					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	8	8					
			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Direction		N		West pipe.				
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	8					
Collar		8	8					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		N	N					

71869 -1 Bridge Culvert

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	lary Span)									
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600									
Scour Protection		N	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	8							
Beavers (Y/N)	No									
Upstream End General Rating		8	8							
		Dei	dae Cu	Ivert Perrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN 5			, Rise (mm): 3000, Type: MP)						
Barrel Last Accessible Date	10-Mar-2010	pan (i	,.	West pipe.						
Dairei Last Accessible Date	10-Wai-2010			Thin ice, 1.3m water; viewed from ends, shape looks good.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)										
Roof		7	N	(Rise could not be measured due to ice. 10Mar2010).						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)				(Estimate 1%. 10Mar2010).						
Percent Sag	0			(2011)1010 1701 1011011011011						
Sidewall		7	N	(Span measured @ mid point = 2979mm, 21mm. North end =						
Measured Span (mm)	2954			3009mm, 9mm. At South end. 10Mar2010).						
Measured At Ring No.				7 tt Godin ond. Tomai 25 to).						
Deflection (mm)	46			(1.5%. 10Mar2010).						
Percent Deflection	2			(1070-1070-107)						
Floor		N	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		6	N							
Separation (mm)	10									
Longitudinal Seams		Х	Х							
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		6	6							
Corrosion By Soil (Y/N)	No			1						
Corrosion By Water (Y/N)	Yes			1						
Camber POS/ZERO/NEG	NEG									

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3000, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	N	GR was 7 from 10Mar2010.
		D	ownstr	ream End
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)	1	111111	, — · · · · · · · · · · · · · · · · · ·
Direction		s		West pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)			_	
Scour/Erosion		N	8	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	8	8	
		S	Structu	re Usage
		Last	1	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	Rail bridge 40m u/s.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			(23/Mar/2007)
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

			Maintenance	Recommen	dations					
Inspector Recommendations	Year	Inspecto	r Comments		Department Con	nments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8/5	77.8/55.6 Sufficiency Rating (La		st/Now)	80.5/68.5	Est. Repl. Yr	2045	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jason Saly			Previous	Assistant's Name					
Next Inspection Date	02-Aug-2013			Previous	Inspection Date	11-Mar-2010				
Inspection Cycle (Default) (months)	21					1				
Comment										