Bridge Culvert Inspection													
Bridge File Number 06649 -1 Bridge Culvert						Form Type			CULM				
Year Built 1999						Lot No			1				
Bridge or Town Name SPRUCEVIEW						tor Name		Owen Salava					
Located Over DICKSON CREEK, 3.88.			88.1, WATERCRS-ST			Inspec	tor Class		BR CLS A				
Located On 54:06 C1 35.958						Assista	ant Name						
Water Body Cl./Year						Assista	ant Class						
Navigabil. Cl./Year						Inspec	tion Date		05-Nov-2012				
Legal Land Location SE SEC 15 TWP 36 RGE 3 W5M				М		Data E	ntry By		Marcia Chavez				
Longitude, Latitude -114:20:14, 52:05:10						Data E	ntry Date		20-Nov-2012				
			(AIT)			Reviev	ver Name	John O'Brien					
Contract Main. Area CMA18			}		Review Date 14-Nov-2012								
Clear Roadway/Skew 8.5 / 38 d		deg. (RHF)	deg. (RHF)				Dept. Reviewer Name Andrew Smikles						
·		2011 (A)				Dept. Review Date		)	26-Nov-2012				
Road Classifica	ation	RAU-20	09-110				Follow	-Up By					
Detour Length	(km)	6											
Legal Land Location Longitude, Latitude Road Authority Contract Main. Area Clear Roadway/Skew Road Classification Road Classif													
Bridge   File Number   06469 - 1 Bridge Culvert   Form Type   CULM													
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape	
1	MAIN		-	3000		MP		49		125X26	2.8	ROUND	
2	MAIN		-	1000		MP		22		68X13	2.8	ROUND	
Special Feature	es												
Special Feature	es Comr	ment											
					Ut	ilities (L	ocated	at)					
Utility Attachme	ents												
Telephone South r/w.					Gas								
Power	4 lines	s overhe	ad North r/w.				Munici	pal					
							Proble	m (Y/N) N	lo				
Remarks	Telus	line laid	across outlet b		oproa	ch Poa	d / Emb	ankmont					
Horizontal Align	nment						· ·						
					7	7							
			9.200										
Embankment					8	8							
	:1)		5.0										
	·	: 1.5)	0.0										
			No										
Approach Roa	d / Emb	bankme	nt General Rat	ing	7	7							
						Unctro	om End						
Culvert Compo	nent						1		ndit	ion			
		e: Prima	ary Span)		Lust	11011	LAPIGI	iation or ot	Jiiaii				
	u y p .		y Cpa		N				_				
End Treatment (Concrete, Steel, CONCRETE		<u> </u>											
					7	7							
Collar			7	7	1 minor spall NE.								
Wingwalls					Х	Х							
(Shape: )													

06649 -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)	700			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 3000, Type: MP)
Barrel Last Accessible Date	08-Jan-2005			Viewed from ends and in ok shape. Water too deep to enter & with thin ice.
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		N	N	Possible roof deflection viewed near inlet approx. 350mm under
Measured Rise (mm)				sideslope.
Measured At Ring No.				(Est. 26Aug2009).
Sag (mm) 75				(LSt. 20Aug2009).
Percent Sag				
Sidewall	I	N	N	
Measured Span (mm)	2932			
Measured At Ring No.				(2.3%. 08Jan2005).
Deflection (mm)	68			-
Percent Deflection	2			
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	l l	N	N	
Separation (mm)	10			
Longitudinal Seams	1	X	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			
Corrosion By Water (Y/N)	Yes			

		Brid	dge Cu	Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 3000, Type: MP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		7	7	Channel blocked u/s.				
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		N	N	GR was 7 from 08Jan2005.				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Span Type: Primary	y Span)							
Direction		S						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		X	X					
Wingwalls		X	X					
(Shape: )								
Cutoff Wall		X	X					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	700							
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					
				am End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Direction		N		North of 3000 dia pipe. Submerged.				
End Treatment (Concrete, Steel, Others, None)								
Headwall		X	X					
Collar		X	X					
Wingwalls		X	X					
(Shape: )								
Cutoff Wall		X	X					

06649 -1 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Span Type: Second	lary Span)			
Bevel End		N	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0		_	
Scour Protection		N	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)			_	
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Upstream End General Rating		N	N	GR was 7 from 26Aug2009.
		Brid	dge Cu	livert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	mm):	, Rise (mm): 1000, Type: MP)
Barrel Last Accessible Date				Filled with water and too small, unable to view.
Special Features		<u> </u>		
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
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)				1
Longitudinal Stagger (Y/N)				1
Coating		Х	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
				I .

06649 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel
<b>Culvert Component</b>		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1000, Type: MP)
Ponding (Y/N)	Yes			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		4	N	
Icing (Y/N)	No			
	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	G.R. carried forward from unknown date.
(Pipe # : 2, Secondary Span, Location Code: M Ponding (Y/N) Yes  Fish Passage Adequacy  Baffle (Type : )  Waterway Adequacy  Icing (Y/N) No Silting (Y/N) No Drift (Y/N) No		D	ownstr	ream End
Culvert Component				Explanation of Condition
	ary Span)			
		s		Submerged.
End Treatment (Concrete, Steel,	NONE			
•		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		N	N	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	700			
Scour Protection		N	N	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	N	
(Shape: ) Cutoff Wall  Bevel End Heaving (mm) Invert Above/Below Stream Bed BELOW Above/Below (mm) 700  Scour Protection (Type: RIP RAP) (Avg. Rock Size(mm): 300)  Scour/Erosion  Beavers (Y/N) No  Downstream End General Rating  Channel (U/S and D/S)				
Downstream End General Ratio	ng	N	N	GR was 7 from 26Aug2009.
				re Usage
		Last	Now	Explanation of Condition
		I	T	
Alignment		5	5	1000mm pipe U/S of 3000 pipe is buried in rock wall, used to deflect water into dugout.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
	No			
				Unknown.
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	5	

			_	-					
			e Recommendat						_
Inspector Recommendations	Year	Inspector Comments		Department Comme	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	;								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION	2015	Patch shoulder spall 0.1m3 NH.							
OTHER ACTION	2013	Lvl 2 with dewatering.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 44.4/44	Sufficiency Rating (L. (%)	ast/Now) 49	.4/58.5	st. Repl. Yr	2045	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			]	Department Comments					
Maintenance Reviewed By			]	Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Owen Salava		Previous As	us Assistant's Name					
Next Inspection Date	05-Aug-2014		Previous Ins	us Inspection Date 12-Apr-2011					
Inspection Cycle (Default) (months)	21								
Comment									