Bridge Culvert Inspection														
Bridge File Nun						Form Type			CUL1					
Year Built 1991							Lot No.		4					
Bridge or Town Name THORSBY						Inspector Name				Todd Warshawski				
Located Over WEED CREEK, 6.110, WATERCI					RS-S	ЭТ	Inspector Class		BR CLS B					
Located On 39:10 C1 0.629							Assistant Name							
Water Body Cl./Year							Assistant Class							
Navigabil. CI./Y							Inspection Date		07-Jan-2013					
Legal Land Loc		NW SEC	26 TWP 49 F	RGE 28 W4M			Data Entry By		Theresa Lacusta					
Longitude, Latitude -113:59:33, 53:15:54							Data Entry Date		23-Jan-2013					
								Reviewer Name		Eric Carcoux				
Contract Main. Area CMA11					Review Date		16-Jan-2013							
Clear Roadway	/Skew	10.6 / 20	deg. (RHF)		Dept. Reviewer Name									
AADT/Year		4,570/2					Dept. Review Date		23-Jan-2013					
Road Classifica	ation	RAU-210						-Up By						
Detour Length	(km)	3					-							
Bridge Culvert	. ,	-					1							
Number of Culv														
Pipe #	Barrel	5	Span	Rise (or D	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		8540		SP		76.2		152X51	6.0	ROUND		
Special Feature	es						I							
Special Feature	es Comr	ment E	3F tag on u/s h	neadwall.										
					Ut	ilities (L	ocated	at)						
Utility Attachme							-		1					
Telephone			& North r/w. Gas											
Power	2 wire	s North r	/w.				Municipal							
Others							Proble	m (Y/N)	No					
Remarks														
					Last			ankment		tion				
Horizontal Alignment			<u>Lasi</u> 7	7	Explanation of Condition Farm entrance to east.									
Horizontal Alignment			6	6	In sag curve, no passing @ crest curve.									
Vertical Alignment Roadway Width (m)			10.600											
				8	8									
Embankment Sideslope (•1)		3.0		0	0								
Sideslope (:1) 3.0 (Height of Cover(m) : 3.2)														
Guardrail (Y/N)		J. <u>Z</u>)	Yes											
Approach Roa	d / Emb	bankmen	t General Rat	ing	6	6								
						Unstre	am End							
Culvert Compo	onent				Last			ation of	Condi	tion				
			S				<u></u>							
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall					5	5	Vertical cracking on headwall up to 4mm wide.							
Collar				5	5	Cracks in shoulders up to 2mm every 400mm. Separated from cutoff wallphoto								
Wingwalls					Х	X								
(Shape :)				λ	~									
Cutoff Wall				N	N									

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7	Floor not rated.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	1000									
Scour Protection		N	N							
(Type : RIP RAP)				_						
(Avg. Rock Size(mm) : 700)			1							
Scour/Erosion		N	N							
Beavers (Y/N) No										
Upstream End General Rating			5							
		Bric	lge Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):	, Rise (mm): 8540, Type: SP)						
Barrel Last Accessible Date	07-Jan-2013									
Special Features	l									
Special Feature										
(Type :)				_						
Special Feature										
(Type :)										
Roof		6	6	Roof appears good.						
Measured Rise (mm)				Rise not measured due to ice.						
Measured At Ring No.				est						
Sag (mm)	486									
Percent Sag	1									
Sidewall		5	5	Rings 16 & 17 are pushing inward on the west side approx 300mm,						
Measured Span (mm)	8585			small localized area. Sidewalls appear to be in good condition.						
Measured At Ring No.	9			Span not measured due to size.						
Deflection (mm)	45			_						
Percent Deflection	1									
Floor		N	N	Silt/ice on floor.						
Bulge (mm)	0			_						
Measured At Ring No.				_						
Abrasion (Y/N)	No									
Circumferential Seams		7	7							
Separation (mm)	0									
Longitudinal Seams		7	7							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams				2N stagger.						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	Yes									
Coating		5	5	Superficial rust along lower sidewall.						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	lvert Barrel							
Culvert Component		Last		Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 8540, Type: SP)							
Fish Passage Adequacy		9	9								
Baffle			X								
(Type :)			~								
Waterway Adequacy		9	9								
Icing (Y/N)			Ŭ								
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating	-	5	5								
Sarror Conoral Rading											
	Downstream End										
Culvert Component		Last	Now	Explanation of Condition							
Direction		Ν		-							
End Treatment (Concrete, Steel, Others, None)	CONCRETE										
Headwall		5	5	Vertical cracking on headwall 5mm wide. Exposed rebar at face.							
Collar	Collar			Vertical cracks every 400mm on collar, 4mm wide.							
Wingwalls		Х	Х								
(Shape :)											
Cutoff Wall											
Bevel End		7	7	Floor not rated.							
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	1000										
Scour Protection		N	N	Snow covered							
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 400)		N	-								
Scour/Erosion			N	Settlement of fill along collar.							
Beavers (Y/N)	No										
Downstream End General Ratio	ng	5	5								
		S	Structu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			6								
Bank Stability			5								
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N)	Yes										
Channel Bottom Degrading/Aggrading											
Beavers (Y/N) Yes											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating			6								

Maintenance Recommendations											
Inspector Recommendations	Y	/ear	Inspector Comments	Department Com	nments	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 5	5.6/55.0	6 Sufficiency Rating (Last/Now) (%)	64.9/65.4 Est. Repl. Yr 204			Maint. Reqd. (Y/N) No				
Special Comments for Next Inspection	Department Comments										
Maintenance Reviewed By				Date		E	Estimated Total	0			
Proposed Long-Term Strategy						·					
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Wade Na	anninga	Previo	us Assistant's Name	Assistant's Name						
Next Inspection Date 07-00		2014	Previo	us Inspection Date	26-Jan-2011						
Inspection Cycle (Default) (months) 21											
Comment											