					Brida	e Culve	ert Insp	ection						
Bridge File Number 75074 -2 Bridge 0			Bridge Culve	rt						CUL1				
Year Built		2004					Lot No.			4				
Bridge or Towr	Name	SWAN H	IILLS				Inspector Name		Russel Vanderschaaf					
Located Over		1	W CREEK, 8.	11.95.2.2						BR CLS B				
		WATERCRS-ST						Assistant Name						
Located On		33:10 C1	42.534				Assistant Class							
Water Body Cl.	/Year						Inspection Date		11-Feb-2013					
Navigabil. Cl./Y	'ear							Data Entry By		Theresa Lacusta				
Legal Land Loc	cation	SW SEC	C 7 TWP 65 RGE 8 W5M					ntry Date		13-Apr-2013				
Longitude, Lati	tude	-115:12:3	115:12:30, 54:36:20					Reviewer Name		Eric Carcoux				
Road Authority		Alberta T	a Transportation (AIT)					Review Date		07-Apr-2013				
Contract Main. Area CMA06								Dept. Reviewer Name						
Clear Roadway/Skew 9.5 / 0 d		leg.				Dept. Review Date								
AADT/Year		850 / 201	12 (A)			_		Follow-Up By						
Road Classifica	ation	RAU-210	210-110											
Detour Length	Detour Length (km) 99													
Bridge Culver	t Inform	nation												
Number of Culv	verts	1												
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	4	642	3350		RPE		34.74		152X51	3.0	ELLIPSE		
Special Feature	es													
Special Feature	es Comi	ment												
					Uti	llities (l	ocated	at)						
Utility Attachme							0.00							
Telephone			g West row. Gas											
Power	4 lines	s East r/w	•				Municipal Problem (Y/N) No							
Others Remarks							Proble	m (Y/N) ∣I	NO					
Remarks				Δ	nnroa	ch Roa	d / Emb	ankment						
						Now	Explanation of Condition							
Horizontal Alignment				7	7									
Vertical Alignment					8	8	1							
Roadway Widtl			9.500											
Embankment				7		7								
Sideslope (:1)		4.0											
(Height of Co		0.7)												
Guardrail (Y/N)		,	No											
Approach Roa	ad / Eml	bankmen	t General Rat	ing	7	7	-							
						Unotro	om End							
Culvert Comp	onent				Last		am End Explar	ation of C	ondi	tion				
Direction					E									
End Treatment Others, None)	(Concre	ete, Steel,	CONCRETE											
Headwall					8	8								
Collar			N	N	Under	snow								
Wingwalls					X	X								
(Shape :)														
Cutoff Wall					N	N								
					1		1							

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7	Rate based on 40% visibility.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	600									
Scour Protection			N	About 5% sandstone24-Jul-2009						
(Type : RIP RAP)				Snow ocver						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	N							
Beavers (Y/N)	No									
Upstream End General Rating	1	7	7							
Culvert Component		Last		Ivert Barrel Explanation of Condition						
Culvert Component	tion Codo: MAIN Sna									
Barrel Last Accessible Date). 4042	2, Rise (mm): 3350, Type: RPE) Couldn't access due to ice conditions.						
Barrei Last Accessible Date	06-Apr-2011			Couldn't access due to ice conditions.						
Special Features										
Special Feature										
(Type :)			_							
Special Feature										
(Туре :)										
Roof		8	N							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		7	N							
Measured Span (mm)	4593			_						
Measured At Ring No.				Inward - 06-Apr-2011						
Deflection (mm)	49			-						
Percent Deflection	1		_							
Floor	1	N	N	Covered with silt on upstream half of barrel24-Jul-2009						
Bulge (mm)	0			_						
Measured At Ring No.	4			-						
Abrasion (Y/N)	No									
Circumferential Seams	I	8	N	-						
Separation (mm)	0		_							
Longitudinal Seams	1	8	N							
Total No. of Cracked Rings				_						
Total No. of Rings with Two Cracked Seams				1N on sides & roof (not at corners) as per design24-Jul-2009						
Min. Remaining Steel Between Cracks (mm)				-						
Proper Lap (Y/N)	Yes			-						
Longitudinal Stagger (Y/N)	No									
Coating		7	N	-						
Corrosion By Soil (Y/N)	No			-						
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	POS									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

75074 - 2 Bridge Culvert

		Brid	lge Cu	Ivert Barrel						
Culvert Component		1	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 4642	, Rise (mm): 3350, Type: RPE)						
Fish Passage Adequacy		9	9	Minnows observed in barrel24-Jul-2009 Under snow						
Baffle		Х	Х							
(Type :)										
Waterway Adequacy			9	Cobble sized material in barrel24-Jul-2009						
cing (Y/N) No				Under snow						
Silting (Y/N) No										
Drift (Y/N)	No									
Barrel General Rating		7	N	GR 7 - 06-Apr-2011						
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction			1101							
End Treatment (Concrete, Steel, Others, None)	CONCRETE	W								
Headwall	1	8	8							
Collar	Collar									
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall			X							
Bevel End		7	7							
Heaving (mm) 0										
Invert Above/Below Stream Bed	Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	600									
Scour Protection		8 N		Snow covered						
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 300)			1							
Scour/Erosion			N	Snow covered						
Beavers (Y/N)	rs (Y/N) No									
Downstream End General Ratir	ng	7	7							
			1	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)		7								
Alignment	Alignment		7							
Bank Stability		6	6							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No				Dam 15m U/S. Removed. Cuttings visible on slopes.						
Channel Bottom DEGRADING Degrading/Aggrading										
Beavers (Y/N) Yes										
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·			-						
(Fish Compensation Measure 2 : NONE)										
Channel General Rating		7	7							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		77.8/55.	6 Sufficiency Rating (Last/No (%)	fficiency Rating (Last/Now)		Est. Repl. Yr 2055		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	Brian F	Pientsch	1	Previous A	Assistant's Name	Lisbeth Medir	Lisbeth Medina				
Next Inspection Date 11-N		11-Nov-2014			Previous Inspection Date 06-Apr-2011						
Inspection Cycle (Default) (months) 21											
Comment											