					Brida	o Culve	ert Inspe	oction						
Bridge File Nu	mher	76523 -1	Bridge Culve	rt	Billag	e Cuive				CUL1				
Bridge File Number 76523 -1 Bridge Year Built 1968			Bridge Culvert			Form Type Lot No.		4						
Bridge or Town Name SWAN HILLS							Inspector Name		Russel Vanderschaaf					
		BUTARY TO SWAN RIVER,				Inspector Class			BR CLS B					
8.11.8		8.11.80.3	11 90 20 10 WATEDODS ST				Assistant Name		BIX OLO B					
Located On 33:12 C1			1 22 856				Assistant Class							
Water Body Cl./Year						Inspection Date		11-Feb-2013						
Navigabil. Cl./Year							Data Entry By			Theresa Lacusta				
Legal Land Location SE SEC		C 16 TMD 60 DCE 0 MEM				Data Entry Date			10-Apr-2013					
		-115:18:0	115.18.06 54.52.53				Reviewer Name			Eric Carcoux				
Road Authority Albert		Alberta T	herta Transportation (AIT)					Date		07-Apr-2013				
Contract Main.	Area	CMA06					Dept. Reviewer Name			-				
Clear Roadwa	y/Skew	10.6 /					Dept. Review Date							
AADT/Year		1,090 / 2	012 (A)						<u> </u>					
Road Classific	ation	RAU-211	.8-110				Follow-Up By							
Detour Length	(km)	261												
Bridge Culver	t Inform	ation												
Number of Cul	verts	1								1				
Pipe #	Barrel		Span	an Rise (or E		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	3	3495	3854		SPE		76.8		152X51	4.8	ELLIPSE		
Special Featur	es						,,,,,,					·		
Special Featur	es Comi	ment												
	.				Uti	ilities (L	ocated	at)						
Utility Attachm	ents								T T					
Telephone						Gas								
Power 4 wire o/h W r/w					Municipal Problem (V/N) No.									
Others							Problem (Y/N) No							
Remarks				Δ.	2222	ah Daar	d / Emb	nkmont						
							/ Embankment Explanation of Condition							
Horizontal Alig	nment				8	8	Passing direction changes at bottom							
Vertical Alignment			7	7	Of sag. In large sag curve with good sight distance.									
Roadway Widt	Roadway Width (m) 10.600						Signit di	starioc.						
Embankment					6	N	Some r	Some minor erosion on NE bank, silt fence has been put into						
Sideslope (_	:1)		4.0				water05-Apr-2011							
(Height of Co	· ·	: 10)					Snow covered.							
Guardrail (Y/N		,	Yes											
Approach Roa	ad / Eml	bankmen	t General Rat	ting	7	7								
						Unactuo	om Fod							
Culvert Comp	onont				Last	Now	am End	ation of	Condi	tion				
Direction	onent				E	INOW	Ехріан	ation or	Conu	tion				
End Treatment (Concrete, Steel, CONCRETE			L		-									
Others, None) Headwall			Х	Х										
Collar			N	N	Under	Under snow.								
Wingwalls			X	X										
	(Shape:)													
Cutoff Wall			N	N										
Outon vvan			'\	'`										

76523 -1 Bridge Culvert

			Unetro	am End
Culvert Component		Last		Explanation of Condition
Bevel End		5	5	
Heaving (mm)	200			
	BELOW			
Above/Below (mm) 600				
Scour Protection	000	4	N	Scour at toe of embankment 1m back.
(Type : NONE)			1.4	
(Avg. Rock Size(mm):)				Snow covered
Scour/Erosion		4	N	Scour at toe of embankment 1m back.
Coddi/Erosion			'`	
2000				Snow covered
Beavers (Y/N)	No			
Upstream End General Rating	·	4	4	GR carried over - 05-Apr-2011
- Сремения для в сельня в сель				·
				lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca		an (mm	i): 3495	, Rise (mm): 3854, Type: SPE)
Barrel Last Accessible Date	11-Feb-2013			
Special Features				
Special Feature				
(Type:)				lac 2.4 from every
Special Feature				Ice 2.4 from crown
(Type:)				
Roof		5	5	Measurements not taken due to ice on floor-shape looks adequate.
Measured Rise (mm)				and the second state of th
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0			
Sidewall		5	5	Inward deflection.
Measured Span (mm)	3430			
Measured At Ring No.	12			
Deflection (mm)	65			
Percent Deflection	2			
Floor		N	N	Under ice.
Bulge (mm)	0			1
Measured At Ring No.	12			
Abrasion (Y/N)	Yes			
Circumferential Seams		6	6	
Separation (mm)	0			
Longitudinal Seams		5	5	Sidewall seams are being pushed
Total No. of Cracked Rings	0			inwards with occassional dimpling around bolts.
Total No. of Rings with Two Cracked Seams	0			around boils.
Min. Remaining Steel Between Cracks (mm)				1N stagger.
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	Superficial rust 5-7 o'clock24-July-2009
Corrosion By Soil (Y/N)	Yes			Under ice
Corrosion By Water (Y/N)	Yes			onder ice
Camber POS/ZERO/NEG	ZERO			

		Reid	dae Cu	ilvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			•
Ponding (Y/N)	No		,	
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		Х	Х	
Collar		4	4	Concrete slope protection breaking up. Only 20% visible
Wingwalls		X	Х	Only 20% violate
(Shape:)				
Cutoff Wall		N	N	
Bevel End		N	N	Only 5% visible
Heaving (mm)	100			Only on violation
Invert Above/Below Stream Bed				Couldn't tell due to snow cover.
Above/Below (mm)	0			
Scour Protection		4	4	20x20m scour hole.
(Type : NONE)				
(Avg. Rock Size(mm):)			_	
Scour/Erosion		4	4	SCOUR HOLE APPROX. 20MX20M.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	4	4	
		S	tructu	re Usage
		Last		Explanation of Condition
Channel (U/S and D/S)				
Alignment		3	4	Cobble pile infront of inlet 24-July-2009
				Channel makes a 90 degree turn into culvert from North side.
Bank Stability		4	4	Slumping @ NE.
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			The Hot Holdie
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating)	3	4	

Structure Usage							
Last	Now	Explanation of Condition					

			Maintenance Re	commend	dations						
Inspector Recommendations	Year Inspector Comments				Department Con	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow) 55.6/5	55.6/55.6 Sufficiency Rating (Last/N		Now)	ow) 54.8/55.2		. Repl. Yr	2017 Maint. Re		qd. (Y/N)	No
Special Monitor u/s end to define the comments for Next Inspection	check if 90 deg	. channel has nega	ative effects to culvert	inlet.	Department Comments						
Maintenance Reviewed By					Date			ı	Estimated Total	1 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Brian Pientsch Previou				s Assistant's Name		Lisbeth Medin	ia			
Next Inspection Date	11-Nov-2014 Pi				evious Inspection Date 05-Apr-2011						
Inspection Cycle (Default) (months)	21				-						
Comment											