

Bridge Culvert Inspection			
Bridge File Number	76640 -1 Bridge Culvert	Form Type	CUL1
Year Built/Lined	1971/1985	Lot No.	
Bridge or Town Name	SWAN HILLS	Inspector Name	Eric Carcoux
Located Over	TRIBUTARY TO SWAN RIVER, 8.11.80.39.13, WATERCRS-ST	Inspector Class	BR CLS A
Located On	33:14 C1 11.060	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	15-Jan-2013
Legal Land Location	NE SEC 3 TWP 70 RGE 9 W5M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-115:16:41, 55:02:05	Data Entry Date	15-Jan-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	CMA06	Review Date	
Clear Roadway/Skew	10.7 / 0 deg.	Dept. Reviewer Name	
AADT/Year	770 / 2012 (A)	Dept. Review Date	
Road Classification	RAU-210-110	Follow-Up By	
Detour Length (km)	99		

**Bridge Culvert Information**

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
2	MAIN FULL LINER	-	2500	SP	54.9	152X51	3.0	ROUND
Special Features	DROP STRUCTURE							
Special Features Comment								

**Utilities (Located at)**

Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	
Remarks			

**Approach Road / Embankment**

	Last	Now	Explanation of Condition
Horizontal Alignment	8		
Vertical Alignment	7		
Roadway Width (m)			
Embankment	6		
Sideslope ( _ :1)			
(Height of Cover(m) : 6.4)			
Guardrail (Y/N)			
<b>Approach Road / Embankment General Rating</b>	<b>7</b>		

**Upstream End**

Culvert Component	Last	Now	Explanation of Condition
Direction	E		
End Treatment (Concrete, Steel, Others, None)			
Headwall			
Collar			
Wingwalls			
(Shape : )			
Cutoff Wall			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End				
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection				
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion				
Beavers (Y/N)				
<b>Upstream End General Rating</b>				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 2, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2500, Type: SP)</b>				
Barrel Last Accessible Date				
<b>Special Features</b>				
Special Feature				
(Type : <b>DROP STRUCTURE</b> )				
Special Feature				
(Type : )				
Roof				
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall				
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor				
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams				
Separation (mm)				
Longitudinal Seams				
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				
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2500, Type: SP)				
Fish Passage Adequacy				
Baffle				
(Type : )				
Waterway Adequacy				
Icing (Y/N)				
Siltng (Y/N)				
Drift (Y/N)				
<b>Barrel General Rating</b>				
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)				
Headwall				
Collar				
Wingwalls				
(Shape : )				
Cutoff Wall				
Bevel End				
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection				
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion				
Beavers (Y/N)				
<b>Downstream End General Rating</b>				
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment		7		
Bank Stability		6		
HWM (m below Top of Culvert)				
Drift (Y/N)				
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)				
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
<b>Channel General Rating</b>		7		

Maintenance Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department Comments	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						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>38.5/</b>	Est. Repl. Yr		Maint. Req. (Y/N)
Special Comments for Next Inspection			Department Comments			
Maintenance Reviewed By			Date		Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Brian Pientsch		Previous Assistant's Name	Lisbeth Medina		
Next Inspection Date	15-Oct-2014		Previous Inspection Date	06-Apr-2011		
Inspection Cycle (Default) (months)	21					
Comment						