

Bridge Culvert Inspection				
Bridge File Number	82296 -1 Bridge Culvert		Form Type	CUL1
Year Built	2000		Lot No.	2
Bridge or Town Name	WHITECOURT		Inspector Name	Kris Bosters
Located Over	WATERCOURSE, WATERCRS-NI		Inspector Class	BR CLS A
Located On	LOCAL ROAD		Assistant Name	Brian Cote
Water Body Cl./Year			Assistant Class	BR CLS B
Navigabil. Cl./Year			Inspection Date	18-Apr-2013
Legal Land Location	NW SEC 14 TWP 61 RGE 15 W5M		Data Entry By	Lisa Fairhurst
Longitude, Latitude	-116:09:00, 54:16:48		Data Entry Date	24-Apr-2013
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Eric Carcoux
Contract Main. Area	UNDEFINED CMA		Review Date	21-Apr-2013
Clear Roadway/Skew	8 /		Dept. Reviewer Name	Brent Herrick
AADT/Year	100 / 2013 (E)		Dept. Review Date	01-May-2013
Road Classification	RLU-208G-60		Follow-Up By	
Detour Length (km)	1			

**Bridge Culvert Information**

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	-	2700	MP	37	125X26	3.5	ROUND
Special Features								
Special Features Comment								

**Utilities (Located at)**

Utility Attachments			
Telephone	North r/w.	Gas	
Power	7 wires North r/w.	Municipal	
Others		Problem (Y/N)	No
Remarks	BF tag installed @ top of South end roof.		

**Approach Road / Embankment**

	Last	Now	Explanation of Condition
Horizontal Alignment	7	7	South service road. Curves each way.
Vertical Alignment	8	8	
Roadway Width (m)	8.000		
Embankment	8	8	
Sideslope ( _ :1)	4.0		
(Height of Cover(m) : 2.1)			
Guardrail (Y/N)	No		
<b>Approach Road / Embankment General Rating</b>	<b>7</b>	<b>7</b>	

**Upstream End**

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

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		8	8	And field stones.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>8</b>	<b>8</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : <b>1</b> , Primary Span, Location Code: <b>MAIN</b> , Span (mm): , Rise (mm): <b>2700</b> , Type: <b>MP</b> )				
Barrel Last Accessible Date	21-May-2008			Ice and running water approx 1.2m deep
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		8	N	(Gravel on floor - est. - May 21.2008) Viewed from ends, shape looks good
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	10			
Percent Sag				
Sidewall		8	N	At c/l.
Measured Span (mm)	2700			
Measured At Ring No.				
Deflection (mm)	10			
Percent Deflection	0			
Floor		N	N	(Rocks & 0.7m deep water. - May 21/2008)
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	N	
Separation (mm)	25			
Longitudinal Seams		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		8	8	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2700, Type: MP)					
Fish Passage Adequacy		7	7		
Baffle		6	N	(Large boulders, groups of 2 - photo. - May 21/2008)	
(Type : <b>LARGE BOULDER</b> )					
Waterway Adequacy		8	8	Approx 0.5 ice buildup, up to half barrel depth	
Icing (Y/N)	Yes				
Silting (Y/N)	No				
Drift (Y/N)	No				
<b>Barrel General Rating</b>		<b>8</b>	<b>N</b>	Last rated 8 on May 21/2008	
Downstream End					
Culvert Component		Last	Now	Explanation of Condition	
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		8	8		
Heaving (mm)	0				
Invert Above/Below Stream Bed		BELOW			
Above/Below (mm)	300				
Scour Protection		8	8	And field stones.	
(Type : <b>RIP RAP</b> )					
(Avg. Rock Size(mm) : <b>300</b> )					
Scour/Erosion		8	8		
Beavers (Y/N)		No			
<b>Downstream End General Rating</b>		<b>8</b>	<b>8</b>		
Structure Usage					
		Last	Now	Explanation of Condition	
Channel (U/S and D/S)					
Alignment		7	7	Gentle curve D/S.	
Bank Stability		7	7		
HWM (m below Top of Culvert)				HWM not visible.	
Drift (Y/N)		No			
Channel Bottom Degrading/Aggrading		NONE			
Beavers (Y/N)		No			
(Fish Compensation Measure 1 : <b>NONE</b> )					
(Fish Compensation Measure 2 : <b>NONE</b> )					
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>		

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	2013	Update BF map to show proper location					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>88.9/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>88.8/73.0</b>	Est. Repl. Yr	2053	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Not at proper location. Immediately d/s of 82504 E +W		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	18-Jan-2018		Previous Inspection Date	21-May-2008			
Inspection Cycle (Default) (months)	57						
Comment							