

Bridge Culvert Inspection			
Bridge File Number	74905 -1 Bridge Culvert	Form Type	CUL1
Year Built	1958	Lot No.	2
Bridge or Town Name	CHERRY POINT	Inspector Name	Russel Vanderschaaf
Located Over	TRIBUTARY TO PEACE RIVER, 8.10.95, WATERCRS-ST	Inspector Class	BR CLS B
Located On	717:02 C1 8.873	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	26-Aug-2012
Legal Land Location	SE SEC 25 TWP 83 RGE 13 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:54:28, 56:13:02	Data Entry Date	25-Sep-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Eric Carcoux
Contract Main. Area	CMA04	Review Date	23-Sep-2012
Clear Roadway/Skew	9 /	Dept. Reviewer Name	David Morrison
AADT/Year	160 / 2011 (A)	Dept. Review Date	18-Dec-2012
Road Classification	RLU-209G-90	Follow-Up By	
Detour Length (km)	8		

**Bridge Culvert Information**

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	2226	SP	16.5	152X51	3.0	ROUND
Special Features								
Special Features Comment								

**Utilities (Located at)**

Utility Attachments							
Telephone	10M N. of c/l	Gas	NONE				
Power	10 M N. OF C/L	Municipal					
Others		Problem (Y/N)	No				
Remarks							

**Approach Road / Embankment**

		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	
Vertical Alignment		7	7	
Roadway Width (m)	9.000			
Embankment		4	4	Pipe in NE ditch has scour around outlet.
Sideslope ( __:1)	3.0			
(Height of Cover(m) : 0.5)				
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		4	N	Damaged at end from grader. Torn @ end, buckling up 200mm & perforated.-07-May-2009 Under beaver dam.
Heaving (mm)	200			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	500			
Scour Protection		4	4	Bevel undermining.-07-May-2009 Under beaverdam
(Type : <b>NONE</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		4	4	Scour beneath culvert end.-07-May-2009 Under beaverdam
Beavers (Y/N)	Yes			beaverdam
<b>Upstream End General Rating</b>		<b>4</b>	<b>4</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2226, Type: SP)				
Barrel Last Accessible Date	07-May-2009			Water 0.7m from u/s to d/s crowns.
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		7	N	Upward
Measured Rise (mm)	2263			
Measured At Ring No.	4			
Sag (mm)	37			
Percent Sag	2			
Sidewall		7	N	Inward
Measured Span (mm)	1973			
Measured At Ring No.	4			
Deflection (mm)	46			
Percent Deflection	2			
Floor		4	N	Pitting & scaling rust.
Bulge (mm)	0			
Measured At Ring No.	4			
Abrasion (Y/N)	No			
Circumferential Seams		7	N	
Separation (mm)	0			
Longitudinal Seams		7	N	1N Stagger
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	N	Pitting & scaling rust on floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2226, Type: SP)				
Fish Passage Adequacy		5	5	
Baffle		X	X	
(Type : )				
Waterway Adequacy		5	4	Drift in barrel. Beaver cage washed into pipe.
Icing (Y/N)	No			
Silting (Y/N)	No			Beaverdam on u/s bevel.-photo
Drift (Y/N)	Yes			
<b>Barrel General Rating</b>		<b>7</b>	<b>N</b>	GR was '7' on 07-May-2009
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 (Shape : )		X	X	
Cutoff Wall		X	X	
Bevel End		5	5	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	250			
Scour Protection (Type : <b>NONE</b> ) (Avg. Rock Size(mm) : )		4	4	Loss of fill on sides of bevel.
Scour/Erosion		4	4	Scour hole 8m x 15m.
Beavers (Y/N)		No		
<b>Downstream End General Rating</b>		<b>4</b>	<b>4</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment		7	7	HWM not visible.
Bank Stability		6	6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)		Yes		
Channel Bottom Degradation/Aggrading		DEGRADING		15m d/s.
Beavers (Y/N)		Yes		
(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	2013	Remove beaverdam from inlet.					
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>77.8/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>65.7/52.6</b>	Est. Repl. Yr	2023	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor scour both ends. Monitor corrosion in pipe.		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	Jordan Evans			
Next Inspection Date	26-Nov-2015		Previous Inspection Date	07-May-2009			
Inspection Cycle (Default) (months)	39						
Comment							