

Bridge Culvert Inspection				
Bridge File Number	70294 -1 Bridge Culvert		Form Type	CUL1
Year Built	1978		Lot No.	4
Bridge or Town Name	PEACE RIVER		Inspector Name	Brian Pientsch
Located Over	PATS CREEK, 8.10.55, WATERCRS-ST		Inspector Class	BR CLS A
Located On	688:02 C1 2.398		Assistant Name	Lisbeth Medina
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	04-Apr-2011
Legal Land Location	NE SEC 24 TWP 83 RGE 21 W5M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-117:10:14, 56:12:40		Data Entry Date	30-May-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA04		Review Date	16-May-2011
Clear Roadway/Skew	11.6 / 23 deg. (RHF)		Dept. Reviewer Name	Steve Pasquan
AADT/Year	1,110 / 2010 (A)		Dept. Review Date	14-Nov-2011
Road Classification	RCU-209-110		Follow-Up By	
Detour Length (km)	8			

**Bridge Culvert Information**

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	-	3670	SP	134.1	152X51	3.5	ROUND
Special Features	BARREL ELBOW							
Special Features Comment								

**Utilities (Located at)**

Utility Attachments			
Telephone	Buried cable along West row.	Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

**Approach Road / Embankment**

	Last	Now	Explanation of Condition
Horizontal Alignment	5	5	Culvert in the middle of a curve. No passing east bound lane.
Vertical Alignment	7	7	
Roadway Width (m)	11.600		
Embankment	N	N	Snow covered-slumping suspected on north side.-02-Mar-2008
Sideslope (__:1)	3.0		
(Height of Cover(m) : )			
Guardrail (Y/N)	Yes		
<b>Approach Road / Embankment General Rating</b>	<b>5</b>	<b>5</b>	

**Upstream End**

Culvert Component	Last	Now	Explanation of Condition
Direction	S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE		
Headwall	X	X	
Collar	5	N	Snow covered.
Wingwalls	X	X	
(Shape : )			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End		6	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			00/08/12 Couldn't tell due to snow.
Above/Below (mm)	1000			
Scour Protection		N	N	Under snow
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		N	N	Under snow
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>4</b>	<b>4</b>	General rating carried forward.
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 3670, Type: SP)				
Barrel Last Accessible Date	04-Apr-2011			
<b>Special Features</b>				
Special Feature		5	5	
(Type : <b>BARREL ELBOW</b> )				
Special Feature				
(Type : )				
Roof		7	7	Floor ice covered-sag est. No measurements taken due to ice on floor.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	32			
Percent Sag				
Sidewall		7	7	
Measured Span (mm)	3686			
Measured At Ring No.	11			
Deflection (mm)	16			
Percent Deflection	1			
Floor		N	N	Ice covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7	7	
Separation (mm)	10			
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N stagger
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		X	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 3670, Type: SP)				
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		N	N	
(Type : )				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>7</b>	<b>7</b>	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	7	
Collar		8	N	Covered with snow.
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		N	N	
Bevel End		5	5	Couldn't tell due to snow.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		7	7	Snow covered-no evident problems.
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>5</b>	<b>5</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment		6	6	Sloughing visible both directions
Bank Stability		5	5	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel General Rating</b>		5	5	

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>77.8/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>69.5/69.2</b>	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	04-Jul-2014		Previous Inspection Date	02-Mar-2008			
Inspection Cycle (Default) (months)	39						
Comment							