

Bridge Culvert Inspection			
Bridge File Number	09874 -1 Bridge Culvert	Form Type	CUL1
Year Built	2012	Lot No.	4
Bridge or Town Name		Inspector Name	Brian Pientsch
Located Over	TRIBUTARY TO STRONG CREEK, 8.10.59.2, WATERCRS-ST	Inspector Class	BR CLS A
Located On	2A:36 C1 1.052	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	31-Jul-2012
Legal Land Location	SW SEC 30 TWP 83 RGE 22 W5M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-117:28:43, 56:13:25	Data Entry Date	11-Sep-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Eric Carcoux
Contract Main. Area	CMA04	Review Date	05-Sep-2012
Clear Roadway/Skew	11.3 / 30 deg. (RHF)	Dept. Reviewer Name	Steve Pasquan
AADT/Year	1,450 / 2011 (A)	Dept. Review Date	26-Sep-2012
Road Classification	RAU-210-110	Follow-Up By	
Detour Length (km)	3		

**Bridge Culvert Information**

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1800	MP	41	125X26	2.8	ROUND
Special Features								
Special Features Comment								

**Utilities (Located at)**

Utility Attachments			
Telephone		Gas	
Power	17m E of CL.	Municipal	
Others		Problem (Y/N)	No
Remarks			

**Approach Road / Embankment**

		Last	Now	Explanation of Condition
Horizontal Alignment			9	Slight vertical sag curve.
Vertical Alignment			8	
Roadway Width (m)	11.300			
Embankment			9	
Sideslope ( __:1)	4.0			
(Height of Cover(m) : 2.3)				
Guardrail (Y/N)	No			
<b>Approach Road / Embankment General Rating</b>			<b>8</b>	

**Upstream End**

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

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End			9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection			9	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion			9	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>			<b>9</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP)				
Barrel Last Accessible Date	05-Jul-2012			
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof			9	
Measured Rise (mm)	1807			@ CL Deflection is upward.
Measured At Ring No.				
Sag (mm)	7			
Percent Sag				
Sidewall			9	
Measured Span (mm)	1773			@ CL Deflection is inward.
Measured At Ring No.				
Deflection (mm)	27			
Percent Deflection				
Floor			9	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams			9	
Separation (mm)				
Longitudinal Seams			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			9	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	POS			
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): 1800, Type: MP)				
Fish Passage Adequacy			9	
Baffle			X	
(Type : )				
Waterway Adequacy			9	
Icing (Y/N)	No			
Siltng (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>			<b>9</b>	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape : )				
Cutoff Wall			X	
Bevel End			9	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	550			
Scour Protection			9	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			9	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>			<b>9</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment			9	
Bank Stability			9	
HWM (m below Top of Culvert)				No HWM visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				stable
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
<b>Channel General Rating</b>			<b>9</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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/100.0</b>	Est. Repl. Yr	2061	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			Previous Assistant's Name				
Next Inspection Date	30-Apr-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							