

Bridge Culvert Inspection			
Bridge File Number	72114 -2 Bridge Culvert	Form Type	CUL1
Year Built	2009	Lot No.	4
Bridge or Town Name	WOKING	Inspector Name	Brian Pientsch
Located Over	TRIBUTARY TO SADDLE BURNT RIVER, 8.10.72.19, WATERCRS-ST	Inspector Class	BR CLS A
Located On	677:02 C1 6.940	Assistant Name	Clem Guenette
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	05-Mar-2012
Legal Land Location	SW SEC 18 TWP 76 RGE 6 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-118:55:17, 55:34:40	Data Entry Date	28-Mar-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Eric Carcoux
Contract Main. Area	CMA05	Review Date	27-Mar-2012
Clear Roadway/Skew	12 / -39 deg. (LHF)	Dept. Reviewer Name	David Morrison
AADT/Year	190 / 2011 (A)	Dept. Review Date	30-Oct-2012
Road Classification	RAU-212.0-110	Follow-Up By	
Detour Length (km)	49		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	3670	SP	113.39	152X51	4.0	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone	South R/W above ground.	Gas	
Power	North R/W single wire.	Municipal	
Others		Problem (Y/N)	Yes
Remarks	Bury telus cable.		

Approach Road / Embankment

		Last	Now	Explanation of Condition
Horizontal Alignment		8	8	Slight sag curve.
Vertical Alignment		8	8	
Roadway Width (m)	12.000			
Embankment		9	8	
Sideslope (__:1)	3.0			
(Height of Cover(m) : 9.8)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		8	8	

Upstream End

Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		9	9	
Collar		9	9	
Wingwalls		9	X	
(Shape :)				
Cutoff Wall		9	N	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	3580			
Scour Protection		9	4	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		9	4	Scour East side pipe and W side.
Beavers (Y/N)	No			
Upstream End General Rating		9	4	
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	05-Mar-2012			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		9	9	No rise measurement due to silt/rock buildup.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		9	9	
Measured Span (mm)	3647			
Measured At Ring No.	18			
Deflection (mm)	23			
Percent Deflection	1			
Floor		9	N	Ice/riprap on floor.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		9	9	
Separation (mm)				
Longitudinal Seams		9	9	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				2N Stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		9	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): 3670, Type: SP)				
Fish Passage Adequacy		9	5	Riprap inside culvert
Baffle		X	X	
(Type :)				
Waterway Adequacy		9	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		9	9	
Downstream 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	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	710			
Scour Protection		9	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		9	6	D/S scour
Beavers (Y/N)	No			
Downstream End General Rating		9	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		9	5	Vertical banks d/s end.
HWM (m below Top of Culvert)				HWM above top of culvert.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				Stable
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	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							
Structural Condition Rating (Last/Now) (%)	100.0/100.0	Sufficiency Rating (Last/Now) (%)	98.5/82.5	Est. Repl. Yr	2070	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	Russel Vanderschaaf		Previous Assistant's Name				
Next Inspection Date	05-Jun-2015		Previous Inspection Date	28-Jun-2010			
Inspection Cycle (Default) (months)	39						
Comment							