

Bridge Culvert Inspection			
Bridge File Number	77433 -1 Bridge Culvert	Form Type	CUL1
Year Built	1972	Lot No.	1
Bridge or Town Name	WOKING	Inspector Name	Russel Vanderschaaf
Located Over	TRIBUTARY TO SADDLE BURNT RIVER, 8.10.72.18, WATERCRS-ST	Inspector Class	BR CLS B
Located On	731:02 C1 1.081	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	17-Jan-2013
Legal Land Location	NW SEC 22 TWP 76 RGE 6 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-118:51:13, 55:36:07	Data Entry Date	13-Feb-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Eric Carcoux
Contract Main. Area	CMA05	Review Date	23-Jan-2013
Clear Roadway/Skew	10 /	Dept. Reviewer Name	David Morrison
AADT/Year	590 / 2011 (A)	Dept. Review Date	21-Mar-2013
Road Classification	RCU-209-110	Follow-Up By	
Detour Length (km)	10		

Bridge Culvert Information								
Number of Culverts		1						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1524	MP	25	68X13	3.5	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	FIELD ENTRANCE TO SW CREST CURVE TO SOUTH WITH LIMITED SITE DISTANCE, no passing South bound.
Vertical Alignment		6	6	
Roadway Width (m)	10.000			
Embankment		7	7	
Sideslope (__:1)	2.0			
(Height of Cover(m) : 5)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		6	6	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
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		N	N	Couldn't inspect due to snow.
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	N	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	G.R. carried over. 29-Aug-03
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm):				Rise (mm): 1524, Type: MP)
Barrel Last Accessible Date	29-Aug-2003			1400mm ext. on both ends. Extensions placed inside existing pipe and gap stuffed with bags.-29-Aug-2003
Special Features				
Special Feature				Measured near c/l 1590 x 1451mm.29-Aug-03
(Type :)				Couldn't access due to ice.
Special Feature				
(Type :)				
Roof		6	N	4.7% Sag. (Span x Rise)29-Aug-03
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	73			
Percent Sag				
Sidewall		6	N	4.3% Sefl.29-Aug-03
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	66			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	N	
Separation (mm)	55			
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		3	N	Deep pitting rust on 3/4 of pipe.-29-Aug-2003
Corrosion By Soil (Y/N)				
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): 1524, Type: MP)				
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		7	N	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		6	N	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		N	N	Couldn't inspect due to snow.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	N	(LARGE SCOUR HOLE @ D/S END 6m x 10m x 1m)
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Downstream End General Rating		4	4	G.R. carried over Aug-29-03
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)	0.4			ice. -17-Jan-2013
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	2013	Level 2					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/55.6	Sufficiency Rating (Last/Now) (%)	66.4/67.7	Est. Repl. Yr	2013	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection	Monitor d/s scour. Pipe inaccessible last 2 inspections-recommend Level 2.		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	Laurie McCarron		Previous Assistant's Name	Russel Vanderschaaf			
Next Inspection Date	17-Apr-2016		Previous Inspection Date	18-Dec-2008			
Inspection Cycle (Default) (months)	39						
Comment							