

Bridge Culvert Inspection				
Bridge File Number	75810 -2 Bridge Culvert		Form Type	CUL1
Year Built	1965		Lot No.	2
Bridge or Town Name			Inspector Name	Russel Vanderschaaf
Located Over	WATERCOURSE, WATERCRS-NI		Inspector Class	BR CLS B
Located On	681:02 C1 16.932		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	06-Mar-2012
Legal Land Location	SW SEC 16 TWP 81 RGE 11 W6M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:39:37, 56:00:52		Data Entry Date	27-Mar-2012
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Eric Carcoux
Contract Main. Area	CMA05		Review Date	22-Mar-2012
Clear Roadway/Skew	9.5 /		Dept. Reviewer Name	David Morrison
AADT/Year	320 / 2011 (A)		Dept. Review Date	18-Oct-2012
Road Classification	RAU-209-110		Follow-Up By	
Detour Length (km)	6			

Bridge Culvert Information								
Number of Culverts		1						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	-	1000	MP	20	68X13	2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)				
Utility Attachments				
Telephone	Buried 15m CL South r/w.		Gas	50m North
Power	3 wire North r/w.		Municipal	
Others			Problem (Y/N)	No
Remarks				

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	At intersection Rge. rd 114 5m West.
Vertical Alignment			9	
Roadway Width (m)	9.500			Up to 70mmx50mm deep crack in ACP over pipe cl.
Embankment			7	
Sideslope (_ :1)	3.0			
(Height of Cover(m) : 1.1)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating			7	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction				North
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			N	(Scour 1.5m L x 1.4m W x 0.2m D under bevel. 3.0m W x 3.0m L x 0.2m D scour hole.)-27-Oct-2010
Heaving (mm)				Snow covered
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)				
Scour Protection			N	(Scour 1.5m L x 1.4m W x 0.2m D under bevel. 3.0m W x 3.0m L x 0.2m D scour hole.)-27-Oct-2010
(Type :)				
(Avg. Rock Size(mm) :)				Snow covered.
Scour/Erosion			N	
Beavers (Y/N)	No			
Upstream End General Rating			4	GR carried over 27-Oct-2010
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1000, Type: MP)				
Barrel Last Accessible Date	06-Mar-2012			
Special Features				
Special Feature				As viewed from ends, looks ok.
(Type :)				
Special Feature				
(Type :)				
Roof			7	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			7	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			6	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			6	
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			6	Superficial rust at 5:00-7:00.
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): 1000, Type: MP)				
Ponding (Y/N)	No			
Fish Passage Adequacy			7	
Baffle			X	
(Type :)				
Waterway Adequacy			7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			7	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction				South
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			7	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			7	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			7	
Beavers (Y/N)	No			
Downstream End General Rating			7	

Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			6	
Bank Stability			7	
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)				
Channel General Rating			6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP	2012	Place 5m3 at u/s end. Couldn't confirm if completed.					
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING							
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTOFF							
REPAIR SEAMS	2012	Repair undermined bevel - couldn't confirm if completed.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	/77.8	Sufficiency Rating (Last/Now) (%)	/73.7	Est. Repl. Yr	2025	Maint. Req. (Y/N)	Yes
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	06-Jun-2015		Previous Inspection Date				
Inspection Cycle (Default) (months)	39						
Comment							