

Bridge Culvert Inspection			
Bridge File Number	74719 -2 Bridge Culvert	Form Type	CUL1
Year Built	2001	Lot No.	4
Bridge or Town Name	NEW FISH CK	Inspector Name	Brian Pientsch
Located Over	TRIBUTARY TO CLOUSTON CREEK, 8.10.58.7.8.4, WATERCRS-ST	Inspector Class	BR CLS A
Located On	49:12 C1 20.550	Assistant Name	Clem Guenette
Water Body Cl./Year		Assistant Class	BR CLS B
Navigabil. Cl./Year		Inspection Date	14-Dec-2012
Legal Land Location	SE SEC 6 TWP 73 RGE 21 W5M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-117:12:25, 55:17:38	Data Entry Date	12-Jan-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Eric Carcoux
Contract Main. Area	CMA03	Review Date	09-Jan-2013
Clear Roadway/Skew	12.5 / 34 deg. (RHF)	Dept. Reviewer Name	David Morrison
AADT/Year	1,870 / 2011 (A)	Dept. Review Date	21-Mar-2013
Road Classification	RAU-213.4-120	Follow-Up By	
Detour Length (km)	60		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	3050	SP	48.77	152X51	3.0	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone	Buried East r/w.	Gas	
Power	5 wire OH and 4 wire OH West r/w.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment	8	8	Land access 80m North, TP RD 750m S.
Vertical Alignment	9	9	
Roadway Width (m)	12.500		
Embankment	9	9	
Sideslope (__:1)	4.0		
(Height of Cover(m) : 0.5)			
Guardrail (Y/N)	No		
Approach Road / Embankment General Rating	9	8	

Upstream End

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

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	N	Snow covered.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		8	8	GR carried over 05-May-2009
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1 , Primary Span, Location Code: MAIN , Span (mm): , Rise (mm): 3050 , Type: SP)				
Barrel Last Accessible Date	14-Dec-2012			1109mm ice to roof
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	7	(At c.l., Rise=3060, 0% Deflection.- 2003/10/15)
Measured Rise (mm)				
Measured At Ring No.				Estimated due to ice.
Sag (mm)	16			Upward
Percent Sag	1			
Sidewall		7	7	Estimated due to ice.
Measured Span (mm)	3034			Inward
Measured At Ring No.	3			
Deflection (mm)	16			
Percent Deflection	1			
Floor		N	N	Ice covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)				
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 3050, Type: SP)				
Fish Passage Adequacy		9	9	
Baffle		N	N	
(Type :)				
Waterway Adequacy		9	9	300mm silt on floor.-05-May-2009
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		7	7	

Downstream 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		
Bevel End		N	N	Snow covered.	
Heaving (mm)	50				
Invert Above/Below Stream Bed	BELOW				
Above/Below (mm)	540				
Scour Protection		N	N	Snow covered.	
(Type : RIP RAP)					
(Avg. Rock Size(mm) : 250)					
Scour/Erosion		N	N	Snow covered.	
Beavers (Y/N)	No				
Downstream End General Rating		8	8	GR carried over 05-May-2009	

Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	45 deg corner from ditch into and out of pipe.
Bank Stability		6	6	
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 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		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							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	82.8/82.8	Est. Repl. Yr	2047	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	14-Sep-2014		Previous Inspection Date	10-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							