

Bridge Culvert Inspection			
Bridge File Number	78363 -1 Bridge Culvert	Form Type	CULM
Year Built	1980	Lot No.	
Bridge or Town Name	NISKU	Inspector Name	Eric Carcoux
Located Over	TRIBUTARY TO BLACKMUD CREEK, 6.76.2.3, WATERCRS-ST	Inspector Class	BR CLS A
Located On	625:02 R1 0.284;625:02 L1 0.284	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	24-Jan-2013
Legal Land Location	SE SEC 26 TWP 50 RGE 25 W4M	Data Entry By	Brent Herrick
Longitude, Latitude	-113:32:41, 53:20:16	Data Entry Date	24-Jan-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	CMA11	Review Date	
Clear Roadway/Skew	22.9 /	Dept. Reviewer Name	
AADT/Year	14,750 / 2012 (A)	Dept. Review Date	
Road Classification		Follow-Up By	
Detour Length (km)	3		

Bridge Culvert Information								
Number of Culverts		3						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1200	SSP	92.5		10.0	ROUND
2	MAIN	-	1200	SSP	92.5		10.0	ROUND
3	MAIN	-	1200	SSP	92.5		10.0	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	
Remarks			

Approach Road / Embankment				
	Last	Now	Explanation of Condition	
Horizontal Alignment	7			
Vertical Alignment	7			
Roadway Width (m)				
Embankment	N			
Sideslope (__:1)				
(Height of Cover(m) :)				
Guardrail (Y/N)				
Approach Road / Embankment General Rating	7			

Upstream End				
Culvert Component	Last	Now	Explanation of Condition	
(Pipe # : 1, Span Type: Primary Span)				
Direction	S			
End Treatment (Concrete, Steel, Others, None)				
Headwall	X			
Collar	X			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)				
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N		
Beavers (Y/N)				
Upstream End General Rating		5		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N		
Separation (mm)				
Longitudinal Seams		N		
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: SSP)				
Coating		N		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		2		
Baffle		N		
(Type :)				
Waterway Adequacy		2		
Icing (Y/N)				
Siltting (Y/N)				
Drift (Y/N)				
Barrel General Rating		N		

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)				
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N		
Beavers (Y/N)				
Downstream End General Rating		6		

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction		S		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N		
Beavers (Y/N)				
Upstream End General Rating		5		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N		
Separation (mm)				
Longitudinal Seams		N		
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: SSP)				
Coating		N		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		2		
Baffle		N		
(Type :)				
Waterway Adequacy		2		
Icing (Y/N)				
Siltting (Y/N)				
Drift (Y/N)				
Barrel General Rating		N		

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N		
Beavers (Y/N)				
Downstream End General Rating		6		

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Secondary Span)				
Direction		S		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Secondary Span)				
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N		
Beavers (Y/N)				
Upstream End General Rating		6		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N		
Separation (mm)				
Longitudinal Seams		N		
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: SSP)				
Coating		N		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		2		
Baffle		N		
(Type :)				
Waterway Adequacy		2		
Icing (Y/N)				
Siltting (Y/N)				
Drift (Y/N)				
Barrel General Rating		N		

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Secondary Span)				
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N		
Beavers (Y/N)				
Downstream End General Rating		6		

Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7		
Bank Stability		N		
HWM (m below Top of Culvert)				
Drift (Y/N)				

Structure Usage				
		Last	Now	Explanation of Condition
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)				
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		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) (%)	55.6/	Sufficiency Rating (Last/Now) (%)	34.4/	Est. Repl. Yr		Maint. Req'd. (Y/N)
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	Jacob Oresile		Previous Assistant's Name			
Next Inspection Date	24-Apr-2016		Previous Inspection Date	03-Feb-2009		
Inspection Cycle (Default) (months)	39					
Comment						