

Bridge Culvert Inspection			
Bridge File Number	86084 -1 Bridge Culvert	Form Type	CULM
Year Built	2003	Lot No.	
Bridge or Town Name	HYPHE	Inspector Name	Eric Carcoux
Located Over	WATERCOURSE, WATERCRS-NI	Inspector Class	BR CLS A
Located On	43:00 C1 31.716	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	29-Apr-2013
Legal Land Location	NE SEC 23 TWP 73 RGE 11 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:34:30, 55:20:21	Data Entry Date	29-Apr-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	CMA05	Review Date	
Clear Roadway/Skew	15 / -4 deg. (LHF)	Dept. Reviewer Name	
AADT/Year	4,140 / 2012 (A)	Dept. Review Date	
Road Classification	RAU-213.4-120	Follow-Up By	
Detour Length (km)	6		

Bridge Culvert Information

Number of Culverts	2							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	-	1524	SSP	35.5		12.7	ROUND
2	MAIN	-	1524	SSP	35.5		12.7	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	8		
Roadway Width (m)			
Embankment	8		
Sideslope (__:1)			
(Height of Cover(m) : 1.5)			
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	N		
End Treatment (Concrete, Steel, Others, None)			
Headwall	X		
Collar	X		
Wingwalls	X		
(Shape :)			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)				
Cutoff Wall		X		
Bevel End		8		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		8		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8		
Beavers (Y/N)				
Upstream End General Rating		8		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1524, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		8		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8		
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		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		X		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1524, Type: SSP)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		8		
Baffle		X		
(Type :)				
Waterway Adequacy		8		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		8		

Downstream 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		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		8		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		8		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8		
Beavers (Y/N)				
Downstream End General Rating		8		

Upstream 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		

Upstream End				
Culvert Component	Last	Now	Explanation of Condition	
(Pipe # : 2, Span Type: Secondary Span)				
Bevel End	8			
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection	8			
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion	8			
Beavers (Y/N)				
Upstream End General Rating	8			
Bridge Culvert Barrel				
Culvert Component	Last	Now	Explanation of Condition	
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1524, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof	8			
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall	8			
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor	N			
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams	8			
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	X			
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1524, Type: SSP)				
Ponding (Y/N)				
Fish Passage Adequacy		8		
Baffle		X		
(Type :)				
Waterway Adequacy		8		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		8		
Downstream 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		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		8		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8		
Beavers (Y/N)				
Downstream End General Rating		8		
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		6		
Bank Stability		8		
HWM (m below Top of Culvert)				
Drift (Y/N)				
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)				
(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						
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) (%)	88.9/	Sufficiency Rating (Last/Now) (%)	85.8/	Est. Repl. Yr		Maint. Req. (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	Brian Pientsch		Previous Assistant's Name	Brian Cote		
Next Inspection Date	29-Jan-2015		Previous Inspection Date	04-Jul-2011		
Inspection Cycle (Default) (months)	21					
Comment						