

Bridge Culvert Inspection			
Bridge File Number	82287 -1 Bridge Culvert	Form Type	CUL1
Year Built	2000	Lot No.	
Bridge or Town Name	FT MCMURRAY	Inspector Name	Eric Carcoux
Located Over	WATERCOURSE, WATERCRS-NI	Inspector Class	BR CLS A
Located On	LOCAL ROAD	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	26-Mar-2013
Legal Land Location	NW SEC 6 TWP 90 RGE 9 W4M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-111:25:41, 56:46:42	Data Entry Date	26-Mar-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	CMA07	Review Date	
Clear Roadway/Skew	8 / 30 deg. (RHF)	Dept. Reviewer Name	
AADT/Year		Dept. Review Date	
Road Classification	RLU-208G-90	Follow-Up By	
Detour Length (km)	1		

Bridge Culvert Information								
Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	2200	MP	31	125X26	2.8	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	9			
Vertical Alignment	9			
Roadway Width (m)				
Embankment	8			
Sideslope ( _ :1)				
(Height of Cover(m) : <b>0.6</b> )				
Guardrail (Y/N)				
<b>Approach Road / Embankment General Rating</b>	<b>9</b>			

Upstream End				
Culvert Component	Last	Now	Explanation of Condition	
Direction	W			
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
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		N		
Beavers (Y/N)				
<b>Upstream End General Rating</b>		<b>7</b>		

**Bridge Culvert Barrel**

Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2200, Type: MP)</b>				
Barrel Last Accessible Date				
<b>Special Features</b>				
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		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		N		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2200, Type: MP)				
Fish Passage Adequacy		4		
Baffle		N		
(Type : WEIR)				
Waterway Adequacy		4		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
<b>Barrel General Rating</b>		<b>N</b>		

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape : )				
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N		
Beavers (Y/N)				
<b>Downstream End General Rating</b>		<b>4</b>		

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment		9		
Bank Stability		9		
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)				
<b>Channel General Rating</b>		<b>9</b>		

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						
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>55.6/</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>51.0/</b>	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	Wade Nanninga		Previous Assistant's Name			
Next Inspection Date	26-Dec-2017		Previous Inspection Date	08-Mar-2010		
Inspection Cycle (Default) (months)	57					
Comment						