

Bridge Culvert Inspection			
Bridge File Number	79420 -1 Bridge Culvert	Form Type	CUL1
Year Built	2002	Lot No.	
Bridge or Town Name	WATERCOURSE ON HWY 63, 20 KM NORTH OF FORT MACKAY	Inspector Name	Eric Carcoux
Located Over	WATERCOURSE, WATERCRS-NI	Inspector Class	BR CLS A
Located On	BITUMOUNT-SUSAN LAKE ACCESS ROAD	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	26-Mar-2013
Legal Land Location	NW SEC 25 TWP 96 RGE 11 W4M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-111:38:59, 57:21:45	Data Entry Date	26-Mar-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	UNDEFINED CMA	Review Date	
Clear Roadway/Skew	17.2 / -15 deg. (LHF)	Dept. Reviewer Name	
AADT/Year		Dept. Review Date	
Road Classification	RAU-211.8-110	Follow-Up By	
Detour Length (km)	999		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	2430	SP	64.6	152X51	3.0	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	8		
Roadway Width (m)			
Embankment	8		
Sideslope (__:1)			
(Height of Cover(m) : 3.5)			
Guardrail (Y/N)			
Approach Road / Embankment General Rating	7		

Upstream 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		

Upstream End				
Culvert Component	Last	Now	Explanation of Condition	
Bevel End	8			
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection	8			
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 450)				
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): 2430 , Type: SP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof	7			
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall	6			
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor	7			
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams	6			
Separation (mm)				
Longitudinal Seams	7			
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	7			
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): 2430, Type: SP)				
Fish Passage Adequacy		5		
Baffle		X		
(Type :)				
Waterway Adequacy		6		
Icing (Y/N)				
Siltng (Y/N)				
Drift (Y/N)				
Barrel General Rating		6		
Downstream 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		
Bevel End		8		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		6		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 450)				
Scour/Erosion		6		
Beavers (Y/N)				
Downstream End General Rating		6		
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		9		
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		8		

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) (%)	66.7/	Sufficiency Rating (Last/Now) (%)	67.8/	Est. Repl. Yr		Maint. Reqd. (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	26-Dec-2014		Previous Inspection Date	01-May-2008		
Inspection Cycle (Modified) (months)	21					
Comment						