

Bridge Culvert Inspection			
Bridge File Number	75136 -1 Bridge Culvert	Form Type	CUL1
Year Built	1971	Lot No.	4
Bridge or Town Name	ROCKY MT HOU	Inspector Name	Owen Salava
Located Over	TRIBUTARY TO CLEARWATER RIVER, 6.159.3, WATERCRS-ST	Inspector Class	BR CLS A
Located On	22:22 C1 22.936	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	18-Oct-2012
Legal Land Location	NW SEC 30 TWP 38 RGE 6 W5M	Data Entry By	Marcia Chavez
Longitude, Latitude	-114:51:30, 52:17:59	Data Entry Date	09-Nov-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	John O'Brien
Contract Main. Area	CMA18	Review Date	30-Oct-2012
Clear Roadway/Skew	10 /	Dept. Reviewer Name	Andrew Smikles
AADT/Year	2,380 / 2011 (A)	Dept. Review Date	13-Nov-2012
Road Classification	RAU-210-110	Follow-Up By	
Detour Length (km)	15		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1800	MP	28.7	125X26	3.5	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone	In r/w to West.	Gas	
Power	5 wire 25m East of c/l, 20m North 1 wire crossing.	Municipal	
Others	No ID tag.	Problem (Y/N)	No
Remarks			

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment	7	7	Approach 10m north, East of culvert & 10m South, West of culvert. No passing SB due to crest curve.
Vertical Alignment	6	6	
Roadway Width (m)	10.000		
Embankment	7	7	
Sideslope (:1)	3.0		
(Height of Cover(m) : 2.8)			
Guardrail (Y/N)	No		
Approach Road / Embankment General Rating	6	6	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
Direction	E		
End Treatment (Concrete, Steel, Others, None)	STEEL		
Headwall	X	X	
Collar	X	X	
Wingwalls	X	X	
(Shape :)			
Cutoff Wall	X	X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		N	6	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP)				
Barrel Last Accessible Date	18-Oct-2012			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		4	4	Roof dent @ NE at 11:00 o'clock. Roof starting to flatten on W end, minor - monitor.
Measured Rise (mm)	1640			
Measured At Ring No.	3			8.9%
Sag (mm)	160			
Percent Sag	9			
Sidewall		5	5	
Measured Span (mm)	1880			
Measured At Ring No.	3			4.4%
Deflection (mm)	80			
Percent Deflection	4			
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		5	5	Small dent at East seam.
Separation (mm)	110			
Longitudinal Seams		5	5	Riveted seams.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)	Yes			
Coating		4	4	Pitting rust, minor - monitor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
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): 1800, Type: MP)				
Fish Passage Adequacy		6	6	
Baffle		X	X	
(Type :)				
Waterway Adequacy		5	5	Silt will easily flush in flood; heavy silting.
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		4	4	
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		5	5	
Heaving (mm)	150			
Invert Above/Below Stream Bed		BELOW		
Above/Below (mm)	300			
Scour Protection		N	5	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	5	Minor scour S end along bevel & at SW corner.
Beavers (Y/N)		No		
Downstream End General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	Meandering creek.
Bank Stability		6	6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)		No		
Channel Bottom Degrading/Aggrading				Unknown.
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) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	46.1/46.1	Est. Repl. Yr	2020	Maint. Req'd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy	2004.10.12 Culvert in fair to good condition. Road to be paved in 2006. No bridge work required. Culvert ok until 2020.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	18-Jul-2014		Previous Inspection Date	03-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							