

Bridge Culvert Inspection				
Bridge File Number	75977 -1 Bridge Culvert		Form Type	CUL1
Year Built	1996		Lot No.	4
Bridge or Town Name			Inspector Name	Brian Pientsch
Located Over	TRIBUTARY TO HUNTING CREEK, 8.10.58.3.2, WATERCRS-ST		Inspector Class	BR CLS A
Located On	LOCAL ROAD		Assistant Name	Lisbeth Medina
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	12-Apr-2011
Legal Land Location	NW SEC 35 TWP 77 RGE 22 W5M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-117:18:22, 55:43:21		Data Entry Date	30-May-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Arnold Assenheimer
Contract Main. Area	UNDEFINED CMA		Review Date	17-May-2011
Clear Roadway/Skew	8 /		Dept. Reviewer Name	Steve Pasquan
AADT/Year	940 / 2010 (E)		Dept. Review Date	14-Nov-2011
Road Classification	RAU-213.4-110		Follow-Up By	
Detour Length (km)	5			

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1200	MP	31.2			ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments				
Telephone	In area	Gas		
Power	3 wire 11.0 m S.	Municipal		
Others		Problem (Y/N)	No	
Remarks				

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment	9	9	Land access-15-Apr-1997
Vertical Alignment	8	8	
Roadway Width (m)	24.000		Main road width-hwy
Embankment	8	8	
Sideslope (__:1)	5.0		
(Height of Cover(m) :)			
Guardrail (Y/N)	No		
Approach Road / Embankment General Rating	8	8	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
Direction			West end.
End Treatment (Concrete, Steel, Others, None)	NONE		
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		8	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	50			
Scour Protection		8	N	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		8	N	
Beavers (Y/N)	No			
Upstream End General Rating		8	N	GR '8' -15-Apr-1997
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date				Water 600 mm deep. Viewed from both ends. Shape and condition appear very good-15-Apr-1997 Culvert not found as specified location.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		X	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		8	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: MP)				
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle			X	
(Type :)				
Waterway Adequacy		8	N	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	N	GR '8' -15-Apr-1997
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction				West end.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		8	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	50			
Scour Protection		8	N	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		8	N	
Beavers (Y/N)	No			
Downstream End General Rating		8	N	GR '8' -15-Apr-1997
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		9	9	Man made ditches.
Bank Stability		9	9	
HWM (m below Top of Culvert)				Hwm not visible. Culvert not found.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				stable
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		9	9	

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) (%)	88.0/55.6	Sufficiency Rating (Last/Now) (%)	90.0/69.8	Est. Repl. Yr	2047	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	No maintenance required April 15, 1997 Culvert location shall be reviewed-Culvert not found at specified map location.		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	Randy Bredo		Previous Assistant's Name				
Next Inspection Date	12-Jan-2016		Previous Inspection Date	15-Apr-1997			
Inspection Cycle (Default) (months)	57						
Comment							