

Bridge Culvert Inspection				
Bridge File Number	75578 -1 Bridge Culvert		Form Type	CULM
Year Built	1989		Lot No.	4
Bridge or Town Name	FINNEGAN		Inspector Name	Tom Carey
Located Over	TRIBUTARY TO MATZHIWIN CREEK, 3.15.1, WATERCRS-ST		Inspector Class	BR CLS A
Located On	862:04 C1 27.370		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	09-Feb-2010
Legal Land Location	NE SEC 36 TWP 24 RGE 16 W4M		Data Entry By	Erin Roberts
Longitude, Latitude	-112:06:30, 51:05:44		Data Entry Date	08-Mar-2010
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Garry Roberts
Contract Main. Area	CMA23		Review Date	24-Feb-2010
Clear Roadway/Skew	7.6 /		Dept. Reviewer Name	Lorenz Bohnert
AADT/Year	110 / 2008 (A)		Dept. Review Date	09-Mar-2010
Road Classification	RCU-208-110		Follow-Up By	
Detour Length (km)	30			

Bridge Culvert Information

Number of Culverts		2						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1200	MP	22	68X13	2.8	ROUND
2	MAIN	-	1200	MP	16	68X13	2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	
Remarks	Waterline 20m South		

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment		5	Curves Crest to North
Vertical Alignment		5	
Roadway Width (m)	7.600		
Embankment		N	Snow Cover @ South pipe 600mm Cover @ North pipe 1200mm
Sideslope (__:1)			
(Height of Cover (m) :)			
Guardrail (Y/N)			
Approach Road / Embankment General Rating		5	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)			
Direction			West end South pipe
End Treatment (Concrete, Steel, Others, None)	STEEL		
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			6	
Heaving (mm)				
Invert Above/Below Stream Bed				Snow
Above/Below (mm)				
Scour Protection			N	Snow
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion			N	
Beavers (Y/N)				
Upstream End General Rating			N	

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	09-Feb-2010			South pipe
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof			8	300mm of ice
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			8	
Measured Span (mm)	1220			
Measured At Ring No.	1			
Deflection (mm)	20			
Percent Deflection	1			
Floor			N	Ice
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			8	
Separation (mm)	25			
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			8	
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): 1200, Type: MP)				
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)				
Fish Passage Adequacy			X	
Baffle			X	
(Type :)				
Waterway Adequacy			7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			8	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)				
Direction				East end South pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			8	
Heaving (mm)				
Invert Above/Below Stream Bed				Snow
Above/Below (mm)				
Scour Protection			N	Snow
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion			N	
Beavers (Y/N)				
Downstream End General Rating			N	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction				West end North pipe
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			N	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection			N	Ice up to crown Crown is @ elevation of invest of South pipe
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion			N	
Beavers (Y/N)				
Upstream End General Rating			N	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): - , Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date				North pipe
Special Features				
Special Feature				Ice to roof @ West end and snowed in @ East end
(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			N	
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				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): -, Rise (mm): 1200, Type: MP)				
Ponding (Y/N)	No			
Fish Passage Adequacy			X	
Baffle			X	
(Type :)				
Waterway Adequacy			N	
Icing (Y/N)	No			
Siltng (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			N	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction				East end North pipe
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	Snowed in
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion			N	
Beavers (Y/N)				
Downstream End General Rating			N	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			7	
Bank Stability			N	Snow
HWM (m below Top of Culvert)				No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating			7	

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) (%)	/78.7	Est. Repl. Yr	2045	Maint. Req. (Y/N)	No
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			Previous Assistant's Name				
Next Inspection Date	09-May-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	39						
Comment							