

Bridge Culvert Inspection			
Bridge File Number	77771 -1 Bridge Culvert	Form Type	CUL1
Year Built	1973	Lot No.	1
Bridge or Town Name	FINNEGAN FY	Inspector Name	Tom Carey
Located Over	TRIBUTARY TO SPRING CK, 3.19.2, WATERCRS-ST	Inspector Class	BR CLS A
Located On	862:04 C1 27.822	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	09-Feb-2010
Legal Land Location	SE SEC 1 TWP 25 RGE 16 W4M	Data Entry By	Erin Roberts
Longitude, Latitude	-112:06:29, 51:05:58	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	7.3 /	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	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1524	MP	17.1	68X13	3.5,3.5,3.5	ROUND
Special Features								
Special Features Comment								

**Utilities (Located at)**

Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	No
Remarks	none apparent		

**Approach Road / Embankment**

		Last	Now	Explanation of Condition
Horizontal Alignment		4	4	S-curves N&S crest curve to N
Vertical Alignment		5	4	
Roadway Width (m)	7.300			
Embankment		7	N	Snow
Sideslope ( __:1)	3.0			
(Height of Cover (m) : <b>0.7</b> )				
Guardrail (Y/N)	No			
<b>Approach Road / Embankment General Rating</b>		<b>4</b>	<b>4</b>	

**Upstream End**

Culvert Component		Last	Now	Explanation of Condition
Direction		W		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		N	N	(silt covered) Snow & Ice Covered
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		N	N	Snow & Ice Covered
(Type : )				
(Avg. Rock Size (mm) : )				
Scour/Erosion		N	N	Snow & Ice Covered
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>7</b>	<b>7</b>	GR carried forward
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): -, Rise (mm): 1524, Type: MP)</b>				
Barrel Last Accessible Date	27-May-2003			Snow & Ice Covered unable to view
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	168			
Percent Sag	11			
Sidewall		N	N	
Measured Span (mm)	1692			
Measured At Ring No.	2			
Deflection (mm)	168			
Percent Deflection	11			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	15			
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		N	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): -, Rise (mm): 1524, Type: MP)				
Fish Passage Adequacy		X	X	
Baffle		X	X	
(Type : )				
Waterway Adequacy		N	N	(980402)
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>3</b>	<b>3</b>	general rating carried forward
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		EAST END
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		N	N	Snow & Ice Covered
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	N	Snow & Ice Covered
(Type : )				
(Avg. Rock Size (mm) : )				
Scour/Erosion		N	N	Snow & Ice Covered
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>7</b>	<b>7</b>	general rating carried forward
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	N	Snow
HWM (m below Top of Culvert)				
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : <b>NONE</b> )				
(Fish Compensation Measure 2 : <b>NONE</b> )				
<b>Channel General Rating</b>		<b>7</b>	<b>7</b>	GR carried forward

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>33.3/33.3</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>53.8/54.3</b>	Est. Repl. Yr	2015	Maint. Reqd. (Y/N)	No
Special Comments for Next Inspection	Site is completely snowed in. There is a channel but can't confirm if pipe is here- check location in summer to verify if pipe is here.		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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	09-May-2013		Previous Inspection Date	30-Jan-2007			
Inspection Cycle (Default) (months)	39						
Comment							