

Bridge Culvert Inspection				
Bridge File Number	86093 -2 Bridge Culvert		Form Type	CUL1
Year Built	2011		Lot No.	4
Bridge or Town Name			Inspector Name	Brian Pientsch
Located Over	WATERCOURSE, WATERCRS-NI		Inspector Class	BR CLS A
Located On	58:06 C1 37.101		Assistant Name	Clem Guenette
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	11-Jan-2012
Legal Land Location	SE SEC 23 TWP 110 RGE 23 W5M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-117:42:45, 58:33:46		Data Entry Date	04-Mar-2012
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Eric Carcoux
Contract Main. Area	CMA01		Review Date	26-Feb-2012
Clear Roadway/Skew	15 / 0 deg.		Dept. Reviewer Name	David Morrison
AADT/Year	730 / 2011 (A)		Dept. Review Date	30-Mar-2012
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	-	2700	MP	38	125X26	2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power	4 wire O/H, 50m South		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment			8	Hill to West
Vertical Alignment			7	
Roadway Width (m)	15.000			
Embankment			8	
Sideslope ( _ :1)	4.0			
(Height of Cover(m) : 1)				
Guardrail (Y/N)	No			
<b>Approach Road / Embankment General Rating</b>			<b>7</b>	

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

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End			N	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			Covered in snow
Above/Below (mm)	100			
Scour Protection			N	Snow covered
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion			N	Snow covered
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>			<b>N</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2700, Type: MP)				
Barrel Last Accessible Date				Accessed to approx. mid point from North end. 0.86m on South end from ice to crown.
<b>Special Features</b>				
Special Feature				Able to view entire culvert from mid point.
(Type : )				
Special Feature				
(Type : )				
Roof			9	Looks good
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			9	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			8	
Separation (mm)				
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			9	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
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): 2700, Type: MP)				
Fish Passage Adequacy			8	
Baffle			X	
(Type : )				
Waterway Adequacy			8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>			<b>9</b>	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape : )				
Cutoff Wall			X	
Bevel End			N	Snow covered
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection			N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : )				
Scour/Erosion			N	Snow covered
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>			<b>N</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment			7	Sharp bends 40m on South side.
Bank Stability			6	Some sloughing South side.
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
<b>Channel General Rating</b>			<b>7</b>	

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>/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/85.8</b>	Est. Repl. Yr	2061	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	11-Oct-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							