

Bridge Culvert Inspection			
Bridge File Number	73565 -2 Bridge Culvert	Form Type	CULE
Year Built	2007	Lot No.	
Bridge or Town Name	DEMMITT	Inspector Name	Eric Carcoux
Located Over	TRIBUTARY TO ALBRIGHT CREEK, 8.10.97.9.1, WATERCRS-ST	Inspector Class	BR CLS A
Located On	43:00 C1 1.511	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	29-Apr-2013
Legal Land Location	SW SEC 8 TWP 75 RGE 13 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:58:43, 55:28:36	Data Entry Date	29-Apr-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	CMA05	Review Date	
Clear Roadway/Skew	12.2 / 30 deg. (RHF)	Dept. Reviewer Name	
AADT/Year	4,100 / 2012 (A)	Dept. Review Date	
Road Classification	RAU-213.4-120	Follow-Up By	
Detour Length (km)	50		

**Bridge Culvert Information**

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	U/S	-	3050	SP	19.2	152X51	3.0	ROUND
1	MAIN	-	2896	SSP	41.4		15.9	ROUND
1	D/S	-	3050	SP	24.7	152X51	3.0	ROUND
Special Features								
Special Features Comment								

**Utilities (Located at)**

Utility Attachments			
Telephone		Gas	
Power		Municipal	
Others		Problem (Y/N)	
Remarks			

**Approach Road / Embankment**

	Last	Now	Explanation of Condition
Horizontal Alignment	7		
Vertical Alignment	7		
Roadway Width (m)			
Embankment	7		
Sideslope (__:1)			
(Height of Cover(m) : <b>6.8</b> )			
Guardrail (Y/N)			
<b>Approach Road / Embankment General Rating</b>	<b>7</b>		

**Upstream End**

Culvert Component	Last	Now	Explanation of Condition
Direction	S		
End Treatment (Concrete, Steel, Others, None)			
Headwall	7		
Collar	7		
Wingwalls	X		
(Shape : )			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N		
Bevel End		7		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7		
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>600</b> )				
Scour/Erosion		7		
Beavers (Y/N)				
<b>Upstream End General Rating</b>		<b>7</b>		

**Bridge Culvert Barrel**

Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 3050, Type: SP)</b>				
Barrel Last Accessible Date				
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		7		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		7		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7		
Separation (mm)				
Longitudinal Seams		8		
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		7		
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 # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 3050, Type: SP)				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		7		
(Type : SPOILER)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel Extension General Rating		7		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2896, Type: SSP)				
Barrel Last Accessible Date				
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		7		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		7		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7		
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		X		
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 # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2896, Type: SSP)				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		X		
(Type : SPOILER)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
<b>Barrel General Rating</b>		<b>7</b>		

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape : )				
Cutoff Wall		X		
Bevel End		7		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 600)				
Scour/Erosion		7		
Beavers (Y/N)				
<b>Downstream End General Rating</b>		<b>7</b>		

Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment		7		
Bank Stability		7		
HWM (m below Top of Culvert)				
Drift (Y/N)				
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)				
(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>77.8/</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>74.5/</b>	Est. Repl. Yr		Maint. Req. (Y/N)
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	Brian Pientsch		Previous Assistant's Name	Brian Cote		
Next Inspection Date	29-Jan-2015		Previous Inspection Date	04-Jul-2011		
Inspection Cycle (Default) (months)	21					
Comment						