

Bridge Culvert Inspection				
Bridge File Number	77867 -1 Bridge Culvert		Form Type	CUL1
Year Built	1975		Lot No.	
Bridge or Town Name	THORSBY		Inspector Name	Eric Carcoux
Located Over	TRAIL-ANIMAL, OVER SP		Inspector Class	BR CLS A
Located On	39:08 C1 24.664		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	14-Nov-2012
Legal Land Location	NE SEC 8 TWP 49 RGE 1 W5M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-114:06:24, 53:13:07		Data Entry Date	14-Nov-2012
Road Authority	Alberta Transportation (AIT)		Reviewer Name	
Contract Main. Area	CMA11		Review Date	
Clear Roadway/Skew	11.3 /		Dept. Reviewer Name	
AADT/Year	2,820 / 2012 (A)		Dept. Review Date	
Road Classification	RAU-211.8-110		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	-	2100	MP	24.4	75X25	2.8	ROUND
Special Features								
Special Features Comment								

Posting Information										
Required Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)										
Posted:	Lane	WB	On Bridge (m)	In Advance (Y/N)	Lane	EB	On Bridge (m)	In Advance (Y/N)		
Remarks										

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

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		8		
Vertical Alignment		9		
Roadway Width (m)				
Embankment		7		
Sideslope (___:1)				
(Height of Cover(m) : 1)				
Guardrail (Y/N)				
<b>Approach Road / Embankment General Rating</b>		<b>8</b>		

Upstream End				
<b>Culvert Component</b>		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		

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

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2100, Type: MP)				
Barrel Last Accessible Date				
<b>Special Features</b>				
Special Feature				
(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		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		N		
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): 2100, Type: MP)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		6		
Baffle		X		
(Type : )				
Waterway Adequacy		N		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
<b>Barrel General Rating</b>		<b>N</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		X		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		N		
Beavers (Y/N)				
<b>Downstream End General Rating</b>		<b>7</b>		

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9		
Roadway Surface		N		
(Type : )				
Icing (Y/N)				
Traffic Safety Features		X		
Type				
Lighting		X		
Barrel Leakage (Y/N)				

Structure Usage				
		Last	Now	Explanation of Condition
Drainage		N		
Structure In Use (Y/N)				
<b>Grade Separation General Rating</b>		<b>4</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>55.6/</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>68.3/</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	Wade Nanninga		Previous Assistant's Name			
Next Inspection Date	14-Aug-2014		Previous Inspection Date	26-Jan-2011		
Inspection Cycle (Default) (months)	21					
Comment						