

Bridge Culvert Inspection									
Bridge File Number	77844 -1 Bridge Culvert				Form Type	CUL1			
Year Built	1992				Lot No.	4			
Bridge or Town Name	CARVEL				Inspector Name	Wade Nanninga			
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS A			
Located On	770:06 C1 23.997				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	15-Oct-2012			
Legal Land Location	NE SEC 9 TWP 53 RGE 2 W5M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-114:13:37, 53:34:01				Data Entry Date	03-Nov-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux			
Contract Main. Area	CMA11				Review Date	25-Oct-2012			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,920 / 2011 (A)				Dept. Review Date	13-Nov-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Bridge Culvert Information									
Number of Culverts	1								
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	-	2200	MP	25	125X26	2.8	ROUND	
Special Features	CONC FLOOR								
Special Features Comment									
Posting Information									
Required Vert. Clearance Posting (m)									
Posted Vertical Clearance (Y/N)									
Posted:	Lane	NB	On Bridge (m)	In Advance (Y/N)	Lane	SB	On Bridge (m)	In Advance (Y/N)	
Remarks	Not required.								
Utilities (Located at)									
Utility Attachments									
Telephone	West r/w				Gas				
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road / Embankment									
			Last	Now	Explanation of Condition				
Horizontal Alignment			5	6	Curve on superelevation - no passing.				
Vertical Alignment			5	5	Uphill grade to South. Int. hwy 16 to North				
Roadway Width (m)		9.000							
Embankment			8	8					
Sideslope ( __:1)		4.0							
(Height of Cover(m) : 1)									
Guardrail (Y/N)		No							
<b>Approach Road / Embankment General Rating</b>			<b>5</b>	<b>5</b>					
Upstream End									
<b>Culvert Component</b>			Last	Now	Explanation of Condition				
Direction			W						
End Treatment (Concrete, Steel, Others, None)		STEEL							
Headwall			X	X					

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		6	6	top of bevel pushed inward 150 at S.
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		X	5	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		X	5	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>6</b>	<b>5</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2200, Type: MP)				
Barrel Last Accessible Date	15-Oct-2012			
Special Features				
Special Feature		N	N	Covered with dirt.
(Type : <b>CONC FLOOR</b> )				
Special Feature				
(Type : )				
Roof		7	7	
Measured Rise (mm)				est
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	7	
Measured Span (mm)	2180			
Measured At Ring No.	2			
Deflection (mm)	0			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	30			
Longitudinal Seams		X	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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2200, Type: MP)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		X	X	
Baffle		X	X	
(Type : )				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>7</b>	<b>7</b>	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		X	6	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		X	6	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>7</b>	<b>6</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9	9	
Roadway Surface		7	7	
(Type : )				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type				

Structure Usage				
		Last	Now	Explanation of Condition
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		7	7	
Structure In Use (Y/N)	Yes			
<b>Grade Separation General Rating</b>		<b>7</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>77.8/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>81.5/79.5</b>	Est. Repl. Yr	2043	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	Arnold Assenheimer		Previous Assistant's Name				
Next Inspection Date	15-Jan-2016		Previous Inspection Date	29-Apr-2011			
Inspection Cycle (Default) (months)	39						
Comment							