

Bridge Culvert Inspection				
Bridge File Number	84097 -1 Bridge Culvert		Form Type	CUL1
Year Built	2006		Lot No.	4
Bridge or Town Name			Inspector Name	Garry Roberts
Located Over	LOCAL ROAD;TRAIL-PED		Inspector Class	BR CLS A
Located On	PEDESTRIAN TRAIL		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	19-Jul-2012
Legal Land Location	NE SEC 31 TWP 24 RGE 10 W5M		Data Entry By	Kelsey Roberts
Longitude, Latitude	-115:22:52, 51:05:25		Data Entry Date	31-Aug-2012
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Tom Carey
Contract Main. Area	UNDEFINED CMA		Review Date	27-Jul-2012
Clear Roadway/Skew	18 /		Dept. Reviewer Name	Tim Davies
AADT/Year	100 / 2012 (E)		Dept. Review Date	06-Sep-2012
Road Classification	RLU-208G-90		Follow-Up By	
Detour Length (km)	1			

Bridge Culvert Information								
Number of Culverts		1						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	2440	2440	PCB	20			SQUARE
Special Features								
Special Features Comment								

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)			No									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		Not req.										

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power			Municipal
Others	Lighting in box		Fire Hydrant @ SW
Remarks	Light Standards @ N & S		Problem (Y/N)
			No

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		5	6	On Curve NC1B
Vertical Alignment		5	6	West Structure
Roadway Width (m)	12.000			
Embankment		7	7	
Sideslope (__:1)	3.0			
(Height of Cover(m) : 0.3)				
Guardrail (Y/N)	Yes			Timber Rail
<b>Approach Road / Embankment General Rating</b>		<b>5</b>	<b>6</b>	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		N	N	North end built into building

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		X	X	
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>9</b>	<b>9</b>	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 2440, Rise (mm): 2440, Type: PCB)</b>				
Barrel Last Accessible Date	19-Jul-2012			
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		9	9	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		9	9	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		9	9	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		9	8	All seams are caulked
Separation (mm)	15			
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
<b>(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 2440, Rise (mm): 2440, Type: PCB)</b>				
Coating		X	X	
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	
<b>(Type : )</b>				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Siltting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>9</b>	<b>9</b>	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		9	9	
Collar		9	9	
Wingwalls		9	9	
<b>(Shape : FLARE)</b>				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		X	X	
<b>(Type : NATURAL)</b>				
<b>(Avg. Rock Size(mm) : )</b>				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>9</b>	<b>9</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9	8	
Roadway Surface		9	8	
<b>(Type : ACP)</b>				
Icing (Y/N)	No			
Traffic Safety Features		X	8	
Type	Railings			

Structure Usage				
		Last	Now	Explanation of Condition
Lighting		9	8	
Barrel Leakage (Y/N)	No			
Drainage		9	8	
Structure In Use (Y/N)	Yes			
<b>Grade Separation General Rating</b>		<b>9</b>	<b>8</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>100.0/100.0</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>97.4/96.7</b>	Est. Repl. Yr	2060	Maint. Reqd. (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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	19-Apr-2017		Previous Inspection Date	24-Jul-2007			
Inspection Cycle (Default) (months)	57						
Comment							