

Bridge Culvert Inspection				
Bridge File Number	79266 -1 Bridge Culvert		Form Type	CUL1
Year Built	1979		Lot No.	4
Bridge or Town Name	MEADOWVIEW		Inspector Name	Melanie Johnson
Located Over	TRAIL-ANIMAL, OVER SP		Inspector Class	BR CLS B
Located On	764:02 C1 10.992		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	27-Aug-2011
Legal Land Location	SW SEC 15 TWP 57 RGE 5 W5M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-114:40:17, 53:55:08		Data Entry Date	19-Sep-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Eric Carcoux
Contract Main. Area	CMA12		Review Date	07-Sep-2011
Clear Roadway/Skew	7 /		Dept. Reviewer Name	Brent Herrick
AADT/Year	390 / 2010 (A)		Dept. Review Date	28-Sep-2011
Road Classification	RCU-209-110		Follow-Up By	
Detour Length (km)	8			

Bridge Culvert Information								
Number of Culverts		1						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	-	2200	MP	17	68X13	4.2	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)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks		Not required.										

Utilities (Located at)			
Utility Attachments			
Telephone	West r/w.		Gas
Power	2 lines East r/w.		Municipal
Others			Problem (Y/N) No
Remarks BF tag installed on top of West roof end.			

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Crest curve to the South limiting sight distance. No passing SB.
Vertical Alignment		7	7	2 tranverse cracks in ACP. Previously sealed. Hazard markers installed at corners.
Roadway Width (m)	7.800			
Embankment		7	7	
Sideslope (__:1)	3.0			
(Height of Cover(m) : 1)				
Guardrail (Y/N)	Yes			
Approach Road / Embankment General Rating		7	7	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	NONE			
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		X	X	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		X	X	
(Type : NONE)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
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	27-Aug-2011			
Special Features				
Special Feature		N	N	
(Type : CONC FLOOR)				
Special Feature				
(Type :)				
Roof		4	4	Part of East roof @ end pushed in.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	95			
Percent Sag				4.3% est sag.
Sidewall		4	4	The sidewall at East end is bent 200mm inwards.
Measured Span (mm)	2294			At mid length.
Measured At Ring No.	2			
Deflection (mm)	94			4.3%
Percent Deflection	4			
Floor		N	N	Concrete on floor covered by dirt.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		4	4	Lock seam separated 1st section because of damage.
Separation (mm)	75			
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	NEG			Neg camber 250mm.
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			
Barrel General Rating		4	4	

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)	100				
Invert Above/Below Stream Bed	BELOW				
Above/Below (mm)	200				
Scour Protection		X	X		
(Type : NONE)					
(Avg. Rock Size(mm) :)					
Scour/Erosion		X	X		
Beavers (Y/N)	No				
Downstream End General Rating		6	6		

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Roadway Surface		6	6	

Structure Usage				
		Last	Now	Explanation of Condition
(Type : ACP)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type	None			
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		5	5	
Structure In Use (Y/N)	Yes			
Grade Separation General Rating		6	6	

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							
Structural Condition Rating (Last/Now) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	65.5/65.6	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor lock seam separation and deflection.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	27-Nov-2014		Previous Inspection Date	09-May-2008			
Inspection Cycle (Default) (months)	39						
Comment							