

Bridge Culvert Inspection			
Bridge File Number	74602 E-3 Bridge Culvert	Form Type	CUL1
Year Built	2009	Lot No.	4
Bridge or Town Name	MORLEY	Inspector Name	Garry Roberts
Located Over	MUNICIPAL	Inspector Class	BR CLS A
Located On	1:04 L1 14.389	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	10-Feb-2012
Legal Land Location	SW SEC 23 TWP 25 RGE 7 W5M	Data Entry By	Lauren Korte
Longitude, Latitude	-114:52:32, 51:08:35	Data Entry Date	16-Mar-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Tom Carey
Contract Main. Area	CMA28	Review Date	22-Feb-2012
Clear Roadway/Skew		Dept. Reviewer Name	Tim Davies
AADT/Year	18,610 / 2010 (A)	Dept. Review Date	22-Mar-2012
Road Classification		Follow-Up By	
Detour Length (km)			

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	8030	5450	BPR	35.9		600.0	RECTANGLE
Special Features								
Special Features Comment								

Posting Information

Required Vert. Clearance Posting (m)	UNDER: MUNICIPAL 3.4m											
Posted Vertical Clearance (Y/N)												
Posted:	Lane	NB	On Bridge (m)	3.5	In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	SB posting is on 74602W											

Utilities (Located at)

Utility Attachments												
Telephone	South Row					Gas						
Power	North Row					Municipal						
Others	Fiber optics North Row					Problem (Y/N)		No				
Remarks												

Approach Road / Embankment

		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	
Vertical Alignment		6	6	
Roadway Width (m)	9.000			
Embankment		5	5	Steep but currently stable at NE and SW.
Sideslope (___:1)	1.1			Concrete slab.
(Height of Cover(m) : 0.8)				
Guardrail (Y/N)	Yes			Thriebeam and steel posts over structure.
Approach Road / Embankment General Rating		6	6	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
Direction	N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE		
Headwall	9	9	
Collar	X	X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Wingwalls (Shape :)		9	9	North end is common with 74602W.
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed Above/Below (mm)	0			
Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :)		7	7	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 8030, Rise (mm): 5450, Type: BPR)				
Barrel Last Accessible Date	10-Feb-2012			
Special Features				
Special Feature (Type :)				
Special Feature (Type :)				
Roof		9	8	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		9	8	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		9	8	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		X	X	
Separation (mm)				
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)				
Coating		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 8030, Rise (mm): 5450, Type: BPR)				
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			
Siltng (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		9	8	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		9	9	
Collar		X	X	
Wingwalls		9	9	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Rating		7	7	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		5	5	
Roadway Surface		5	5	
(Type : GRAVEL)				
Icing (Y/N)	No			
Traffic Safety Features		8	8	
Type	Jersey Barrier			
Lighting		X	X	
Barrel Leakage (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
Drainage		6	6	
Structure In Use (Y/N)	Yes			
Grade Separation General Rating		5	5	

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) (%)	100.0/88.9	Sufficiency Rating (Last/Now) (%)	87.5/81.5	Est. Repl. Yr	2078	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	10-Nov-2013		Previous Inspection Date	16-Sep-2010			
Inspection Cycle (Default) (months)	21						
Comment							