

Bridge Culvert Inspection			
Bridge File Number	73564 -1 Bridge Culvert	Form Type	CULE
Year Built/Lined	1958/2007	Lot No.	
Bridge or Town Name	DEMMITT	Inspector Name	Eric Carcoux
Located Over	UPDIKE CREEK, 8.10.97.9.3, WATERCRS-ST	Inspector Class	BR CLS A
Located On	43:00 C1 4.132	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	29-Apr-2013
Legal Land Location	NW SEC 3 TWP 75 RGE 13 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:56:19, 55:28:17	Data Entry Date	29-Apr-2013
Road Authority	Alberta Transportation (AIT)	Reviewer Name	
Contract Main. Area	CMA05	Review Date	
Clear Roadway/Skew	12.9 /	Dept. Reviewer Name	
AADT/Year	4,100 / 2012 (A)	Dept. Review Date	
Road Classification	RAU-213.4-120	Follow-Up By	
Detour Length (km)	50		

Bridge Culvert Information

Number of Culverts	3							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
2	MAIN FULL LINER	-	1500	MP	36	125X26	2.8	ROUND
3	U/S	-	2000	MP	8	125X26	2.8	ROUND
3	MAIN	-	1829	SSP	24		12.7	ROUND
3	D/S	-	2000	MP	8	125X26	2.8	ROUND
4	U/S	-	2000	MP	8	125X26	2.8	ROUND
4	MAIN	-	1829	SSP	24		12.7	ROUND
4	D/S	-	2000	MP	8	125X26	2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

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

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment	6		
Vertical Alignment	6		
Roadway Width (m)			
Embankment	7		
Sideslope (_ :1)			
(Height of Cover(m) : 1.2)			
Guardrail (Y/N)			
Approach Road / Embankment General Rating	6		

Upstream End

Culvert Component	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)			
Direction	S		
End Treatment (Concrete, Steel, Others, None)			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Headwall		X		
Collar		X		
Wingwalls (Shape :)		X		
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed Above/Below (mm)				
Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300)		N		
Scour/Erosion		N		
Beavers (Y/N)				
Upstream End General Rating		N		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1500, Type: MP)				
Barrel Last Accessible Date				
Special Features				
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1500, Type: MP)				
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)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		N		
(Type :)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		N		
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N		
Beavers (Y/N)				
Downstream End General Rating		N		

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Secondary Span)				
Direction		S		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls (Shape :)		X		
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300)		N		
Scour/Erosion		N		
Beavers (Y/N)				
Upstream End General Rating		N		
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Location Code: U/S, Span (mm): , Rise (mm): 2000, Type: MP)				
Barrel Last Accessible Date				
Special Features				
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Location Code: U/S, Span (mm): , Rise (mm): 2000, Type: MP)				
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)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		N		
(Type :)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel Extension General Rating		N		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1829, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1829, Type: SSP)				
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		X		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		N		
(Type :)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		N		
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Secondary Span)				
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N		
Beavers (Y/N)				
Downstream End General Rating		N		

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Secondary Span)				
Direction		S		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls (Shape :)		X		
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 300)		N		
Scour/Erosion		N		
Beavers (Y/N)				
Upstream End General Rating		N		
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Location Code: U/S, Span (mm): , Rise (mm): 2000, Type: MP)				
Barrel Last Accessible Date				
Special Features				
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Location Code: U/S, Span (mm): , Rise (mm): 2000, Type: MP)				
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)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		N		
(Type :)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel Extension General Rating		N		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1829, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1829, Type: SSP)				
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		X		
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		7		
Baffle		N		
(Type :)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		N		
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Secondary Span)				
Direction		N		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		N		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N		
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N		
Beavers (Y/N)				
Downstream End General Rating		N		

Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7		
Bank Stability		7		
HWM (m below Top of Culvert)				
Drift (Y/N)				
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)				
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7		

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) (%)	55.6/	Sufficiency Rating (Last/Now) (%)	58.2/	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	Brian Pientsch		Previous Assistant's Name	Brian Cote		
Next Inspection Date	29-Jan-2015		Previous Inspection Date	04-Jul-2011		
Inspection Cycle (Default) (months)	21					
Comment						