Bridge Culvert Inspection

Bridge File Number	76915 -1 Bridge Culvert	Form Type	CULM
Year Built	1968	Lot No.	
Bridge or Town Name	WOKING	Inspector Name	Eric Carcoux
Located Over	TRIBUTARY TO BRAEBURN CREEK, 8.10.72.14.3, WATERCRS-ST	Inspector Class	BR CLS A
		Assistant Name	
Located On	2:70 C1 26.210	Assistant Class	
Water Body Cl./Year		Inspection Date	29-Apr-2013
Navigabil. Cl./Year		Data Entry By	Theresa Lacusta
Legal Land Location	SE SEC 27 TWP 75 RGE 5 W6M	Data Entry Date	29-Apr-2013
Longitude, Latitude	-118:40:39, 55:31:22	Reviewer Name	
Road Authority	Alberta Transportation (AIT)	Review Date	
Contract Main. Area	CMA05	Dept. Reviewer Name	
Clear Roadway/Skew	12 / -45 deg. (LHF)	Dept. Review Date	
AADT/Year	4,100 / 2012 (A)	Follow-Up By	
Road Classification	RAU-213.0-120		
Detour Length (km)	5		

Bridge Culvert Information

Number of Culverts	2

Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1041	SSP	36.6			ROUND
2	MAIN	-	1041	SSP	36.6			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		7		
Vertical Alignment		5		
Roadway Width (m)				
Embankment		4		
Sideslope (__:1)				
(Height of Cover(m) : **3**)				
Guardrail (Y/N)				
Approach Road / Embankment General Rating		**5**		

Upstream End

Culvert Component		Last	Now	Explanation of Condition
(Pipe # : **1**, Span Type: Primary Span)				
Direction		E		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				

Upstream End				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **1, Span Type: Primary Span**)				
Cutoff Wall		X		
Bevel End		7		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		5		
(Type : **NATURAL**)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		5		
Beavers (Y/N)				
Upstream End General Rating		**5**		
Bridge Culvert Barrel				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1041, Type: SSP**)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		8		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7		
Separation (mm)				
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)				

Bridge Culvert Barrel				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **1, Primary Span, Location Code: MAIN, Span (mm):** , **Rise (mm): 1041, Type: SSP**)				
Camber POS/ZERO/NEG				
Ponding (Y/N)				
Fish Passage Adequacy		3		
Baffle		X		
(Type :)				
Waterway Adequacy		5		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		**7**		

Downstream End				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **1, Span Type: Primary Span**)				
Direction		W		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		6		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		3		
(Type : **NONE**)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		3		
Beavers (Y/N)				
Downstream End General Rating		**3**		

Upstream End				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **2, Span Type: Secondary Span**)				
Direction		E		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		

Upstream End				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **2**, Span Type: **Secondary Span**)				
Bevel End		3		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7		
(Type : **NATURAL**)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7		
Beavers (Y/N)				
Upstream End General Rating		**3**		

Bridge Culvert Barrel				
Culvert Component		**Last**	**Now**	**Explanation of Condition**
(Pipe # : **2**, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1041, Type: SSP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7		
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7		
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		7		
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7		
Separation (mm)				
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				

Bridge Culvert Barrel

Culvert Component		Last	Now	Explanation of Condition
(Pipe # : **2**, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1041, Type: SSP)				
Ponding (Y/N)				
Fish Passage Adequacy		3		
Baffle		X		
(Type :)				
Waterway Adequacy		7		
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		**7**		

Downstream End

Culvert Component		Last	Now	Explanation of Condition
(Pipe # : **2**, Span Type: **Secondary Span**)				
Direction		W		
End Treatment (Concrete, Steel, Others, None)				
Headwall		X		
Collar		X		
Wingwalls		X		
(Shape :)				
Cutoff Wall		X		
Bevel End		6		
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		3		
(Type : **NONE**)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		3		
Beavers (Y/N)				
Downstream End General Rating		**3**		

Structure Usage

		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		6		
Bank Stability		4		
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		**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) (%)	77.8/	Sufficiency Rating (Last/Now) (%)	50.6/	Est. Repl. Yr		Maint. Reqd. (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	05-Jul-2011		
Inspection Cycle (Default) (months)	21						
Comment							