				БПС	ge ourv	en inspe	clion					
Bridge File Number 71006 -2 Bridge Culvert					idge Culvert Inspection Form Type			CUL1				
Year Built 2009								4				
Bridge or Town Name WATER			ATERCOURSE CULVERT ON				or Name	Melanie Johnson				
		PROVII CAMPS	OVINCIAL HIGHWAY 18 NEAR				or Class	BR CLS B				
Located Over			ARY TO PADE	DLE RIVER.		Assistar	nt Name					
		8.11.84	.30.10, WATER	RCRS-ST		Assistar	nt Class					
Located On		18:08 C	1 14.324			Inspection Date		24-Aug-2011				
Water Body Cl	./Year					Data Entry By		Theresa Lacusta				
Navigabil. Cl./	rear					Data En	ntry Date	12-Sep-2011				
Legal Land Location SW SEC			C 27 TWP 59 R	RGE 5 W5M		Reviewer Name		Eric Carcoux				
Longitude, Lat	itude	-114:40	:10, 54:07:23			Review	Date	07-Sep-2011				
Road Authority		Alberta	Transportation	(AIT)		Dept. Reviewer Name		Brent Herrick				
Contract Main.	Area	CMA10				Dept. Re	eview Date	15-Sep-2011				
Clear Roadway	y/Skew	10 /				Follow-L	Јр Ву					
AADT/Year			2010 (A)			_						
Road Classific	ation	RAU-20	9-110			_						
Detour Length	<u> </u>	25										
Bridge Culver		ation										
Number of Cul			1	D· (- · ·	-			0				
Pipe #	Barrel		Span	Rise (or Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	3670	SP	;	38.4	152X51	3.0	ROUND		
Special Features								1				
Special Featur		ment										
		ment										
Special Featur	es Comi	ment		L	tilities (Located a	at)					
Special Featur Utility Attachm	es Comi ents			L	tilities (at)					
Special Featur Utility Attachm Telephone	es Comi ents South	r/w.		L	tilities (Gas						
Special Featur Utility Attachm Telephone Power	ents South 3 lines	r/w. s South r		(tilities (Gas Municipa	al					
Special Featur Utility Attachm Telephone Power Others	ents South 3 lines	r/w.		L	tilities (Gas	al					
Special Featur Utility Attachm Telephone Power	ents South 3 lines	r/w. s South r				Gas Municipa Problem	al n (Y/N) No					
Special Featur Utility Attachm Telephone Power Others	ents South 3 lines	r/w. s South r		Appro	ach Roa	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks	es Comi ents South 3 lines Fibre	r/w. s South r		Appro Las	ach Roa t Now	Gas Municipa Problem	al n (Y/N) No	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig	es Comi ents South 3 lines Fibre	r/w. s South r		Appro Las 7	ach Roa t Now 7	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm	es Comi South 3 lines Fibre	r/w. s South r	orth r/w.	Appro Las	ach Roa t Now	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt	es Comi South 3 lines Fibre	r/w. s South r		Appro Las 7	ach Roa t Now 7 8	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment	es Comi South 3 lines Fibre nment hent h (m)	r/w. s South i	10.000	Appro Las 7	ach Roa t Now 7	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_	es Comi South 3 lines Fibre nment h (m)	r/w. s South r optics Ne	orth r/w.	Appro Las 7 8	ach Roa t Now 7 8	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (ents South 3 lines Fibre nment h (m) _:1) over(m) :	r/w. s South r optics Ne	10.000 3.0	Appro Las 7 8	ach Roa t Now 7 8	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_	ents South 3 lines Fibre nment h (m) _:1) over(m) :	r/w. s South r optics Ne	10.000	Appro Las 7 8	ach Roa t Now 7 8	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi South 3 lines Fibre nment h (m) _:1) over(m) :	r/w. s South r optics No	10.000 3.0 No	Appro Las 7 8 7 7	ach Roa t Now 7 8 8	Gas Municipa Problem	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi South 3 lines Fibre nment h (m) _:1) over(m) :	r/w. s South r optics No	10.000 3.0	Appro Las 7 8 7 7	ach Roa t Now 7 8 8 7	Gas Municipa Problem d / Embai Explana	al (Y/N) No nkment	tion				
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi South 3 lines Fibre h (m) _:1) over(m) :) ad / Eml	r/w. s South r optics No	10.000 3.0 No	Appro Las 7 8 7	ach Roa b Now 7 8 7 8 7 7 7 7 7 Upstre	Gas Municipa Problem d / Embar Explana	al (Y/N) No nkment ation of Condi					
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi South 3 lines Fibre h (m) _:1) over(m) :) ad / Eml	r/w. s South r optics No	10.000 3.0 No	Appro Las 7 8 7 7 8 7 7 7 7 7 2 7 2 7 2 7 2 7 2 7	ach Roa b Now 7 8 7 8 7 7 7 7 7 Upstre	Gas Municipa Problem d / Embar Explana	al (Y/N) No nkment					
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi south 3 lines Fibre hent h (m) _:1) over(m) :) ad / Eml	r/w. s South r optics No 1.3)	Image: state of the state	Appro Las 7 8 7 7 8 7 7 7 7 7 7 1 7 1 7 1 7 1 8 7 1 8 1 8	ach Roa b Now 7 8 7 8 7 7 7 7 7 Upstre	Gas Municipa Problem d / Embar Explana	al (Y/N) No nkment ation of Condi					
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi south 3 lines Fibre hent h (m) _:1) over(m) :) ad / Eml	r/w. s South r optics No 1.3)	10.000 3.0 No	Appro Las 7 8 7 7 8 7 7 7 7 7 7 1 7 1 7 1 7 1 8 7 1 8 1 8	ach Roa b Now 7 8 7 8 7 7 7 7 7 Upstre	Gas Municipa Problem d / Embar Explana	al (Y/N) No nkment ation of Condi					
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Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (es Comi south 3 lines Fibre hent h (m) _:1) over(m) :) ad / Eml	r/w. s South r optics No 1.3)	Image: state of the state	Appro Las 7 8 7 8 7 8 7 8 7 7 1 7 1 7 1 1 7 1 1 7 1 1 7 1 1 7 1 1 7	ach Roa t Now 7 8 8 7 8 7 7 Vpstre t Now	Gas Municipa Problem d / Embar Explana	al (Y/N) No nkment ation of Condi					
Special Featur Utility Attachm Telephone Power Others Remarks Horizontal Alig Vertical Alignr Roadway Widt Embankment Sideslope (es Comi south 3 lines Fibre hent h (m) _:1) over(m) :) ad / Eml	r/w. s South r optics No 1.3)	Image: state of the state	Appro Las 7 8 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 7 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 8 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 8 8 7 7 8 8 7 7 8 8 8 7 7 8 8 8 8 8 7 7 8 8 8 7 7 8 8 8 8 7 7 8 8 8 8 7 7 8	ach Roa Now 7 8 7 8 7 7 1 7 1 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1	Gas Municipa Problem d / Embar Explana	al (Y/N) No nkment ation of Condi					

Alberta Transportation

			Upstre	eam End					
Culvert Component	vert Component		Now	Explanation of Condition					
Cutoff Wall		N	N						
Bevel End		9	9						
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	800								
Scour Protection		9	9						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion			9						
Beavers (Y/N)	No								
Upstream End General Rating	1	9	9						
		Brid	dge <u>Cu</u>	Ivert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm		, Rise (mm): 3670, Type: SP)					
Barrel Last Accessible Date	22-Sep-2009			Water 1.6m deep, pipe viewed from ends-shape and condition look good.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type :)			-						
Roof		9	9						
Measured Rise (mm)	3640		U						
Measured At Ring No.	4			- 22-Sep-2009					
Sag (mm)	30								
Percent Sag	1								
Sidewall		9	9						
Measured Span (mm)	3710	0	0	22-Sep-2009					
Measured At Ring No.	4								
Deflection (mm)	40								
Percent Deflection	1								
Floor		9	N						
Bulge (mm)		9	IN						
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams	110	9	N						
Separation (mm)		9	IN						
Longitudinal Seams		9	N						
Total No. of Cracked Rings		9	IN						
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)				2N Stagger					
Proper Lap (Y/N)	Yes			-					
Longitudinal Stagger (Y/N)	Yes								
Coating	1	9	9						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

71006 -2 Bridge Culvert

		Bric	lae Cu	Ivert Barrel				
Culvert Component		Last						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			, Rise (mm): 3670, Type: SP)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		9	9					
Baffle		X	Х					
(Type :)								
Waterway Adequacy		7	7					
Icing (Y/N)	No	-						
Silting (Y/N)	No			-				
Drift (Y/N)	No							
Barrel General Rating		9	N	GR was 9 from 22-Sep-2009				
g								
Culvert Component			ownsti Now	eam End Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel,	STEEL	Ū						
Others, None)			1					
Headwall		X	X					
Collar		X	Х					
Wingwalls		X	X					
(Shape :)								
Cutoff Wall		X	X					
Bevel End		9	9					
Heaving (mm)	100							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1000							
Scour Protection		9	9					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		9	9					
Beavers (Y/N)	No		1					
Downstream End General Rati	ng	9	9					
			tructu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		8	8					
Bank Stability		8	8					
HWM (m below Top of Culvert)			1	HWM not visible.				
Drift (Y/N)	No			1				
Channel Bottom								
Degrading/Aggrading				-				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·			-				
(Fish Compensation Measure 2 :	NONE)		1					
Channel General Rating		8	8					

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/CUTO	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		100.0/55.6		Sufficiency Rating (Last/Now) (%)		91.8/68.0	3/68.0 Est. Repl. Yr 2060		2060	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection						Departn Comme	nent nts					
Maintenance Reviewed By						Date			E	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Wad		Vade Nanninga Prev				us Assistant	s Assistant's Name					
		24-May-2013 Pre				us Inspection	s Inspection Date 22-Sep-2009					
Inspection Cycle (Default) (months)	21											
Comment												