				Bridge Culvert Inspection											
Bridge File Number 13797 -1 Bridge Culvert							Form Type			CUL1					
Year Built 1988						Lot No.			2						
Bridge or Town Name PEACE RIVER							Inspector Name		Brian Pientsch						
Located Over			RDER TRIBUTARY TO PEACE 8.10.57.1, WATERCRS-ST				Inspector Class Assistant Name		BR CLS A Clem Guenette						
Located On		2:62 R1 0.003	3.103;2:62 L1	3.106;743	.106;743:02 C1			Assistant Class		Clem Guenette					
Water Body Cl./Year							Inspection Date		06-Dec-2011						
Navigabil. Cl./Y							Data Entry By		Theresa Lacusta						
Legal Land Loc		NW SE	C 25 TWP 83 R	GF 22 W5M			Data Entry Date		31-Jan-2012						
Longitude, Latit			:49, 56:13:59	23 TWF 83 NGE 22 WSW					Reviewer Name		Eric Carcoux				
Road Authority				ransportation (AIT)						29-Jan-2012					
Contract Main.		CMA04	•	(Δ11)		Dept. Reviewer Name			Name	David Morrison					
Clear Roadway			2 deg. (RHF)				Dept. Review Date			04-Apr-2012					
AADT/Year	// OKEW		/ 2011 (A)				Follow-Up By		-						
	ation	· ·					., ,								
Road Classification RAU-213 Detour Length (km) 3			J. 4 -120												
Bridge Culvert	` '														
Number of Culv			1												
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN		4436	2915		RPE		191.4		152X51	4.0,4.0,4.0	ELLIPSE			
Special Feature			BARREL DEIC							152/51	4.0,4.0,4.0	ELLIFSE			
Utility Attachme	Pedes		corner int.		Uti	ilities (L	Gas								
Power Others	4 wire	OH, 20r	m N.			Municip Problei		No							
Remarks															
				Ap	proac	ch Road		ankment							
					Last	Now	Explanation of Condition								
Horizontal Alignment Vertical Alignment				5 8	8	Major intersection with overhead lights.									
Roadway Width	n (m)		25.800												
Embankment					3	5									
Sideslope (:1)		3.0			1	1									
(Height of Co		1.5)					1								
Guardrail (Y/N)			Yes												
Approach Road / Embankment General Rating			5	5											
						Upstre	am End								
Culvert Compo	onent				Last	Now		ation of C	Condi	tion					
Direction			N												
End Treatment Others, None)	(Concre	ete, Stee	I, CONCRETE												
Headwall					6	6	Med cr Narrow	Med crack beside deicing pipe. Narrow cracks approx. 0.70m long -front of deicing pipe.			ipe.				
Collar			N	5	Spall @ bottom of west side. Hole exposed behind steel. Wide cracking both sides.										
Jonai							CIACKIII	g both sid	les.						
Wingwalls					X	X	CIACKIII	g both sid	les.						

13797 -1 Bridge Culvert

			Unctre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Cutoff Wall		N	N	Ice covered				
Cuton Wan		IN	'\	ice covered				
Bevel End			7	Covered with ice.				
Heaving (mm)	150							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm) 350								
Scour Protection		4	4	NW ditch minor scour through rock.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 400)								
Scour/Erosion		4	4	NW ditch erosion/scour.				
	T							
Beavers (Y/N)	No							
Upstream End General Rating		4	4					
Openioum Ema Comorai Maumg								
				Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm): 4436	Rise (mm): 2915, Type: RPE)				
Barrel Last Accessible Date	06-Dec-2011			Water drain connected to pipe in middle section (between elbows.)				
Special Features								
Special Feature		7	7					
(Type : BARREL DEICING PIF	DE\	/						
Special Feature	· E)	7	7					
·		1						
(Type : BARREL ELBOW)								
Roof		5	5	near c/l Hwy 2-June19, 2008)				
Measured Rise (mm)	2740			Floor covered with ice.				
Measured At Ring No.	12							
Sag (mm)	175							
Percent Sag	6							
Sidewall	I	7	7	Ring 5 past elbow 1, construction dent. 150mm x 200mm Galvanized.				
Measured Span (mm)	4428			Deflection inward.				
Measured At Ring No.	25							
Deflection (mm)	8							
Percent Deflection	0		_					
Floor	1	N	N	Covered with ice.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		6	6	Seam dented j@ 3'oclock, ring 10. Seam dented @ 12 o'clock, ring 17				
Separation (mm)	0			Seam dented @ 12 o clock, ring 17				
Longitudinal Seams		6	6					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	No							
Coating		6	N	Minor superficial rust on floor19-Jun-2008				
Corrosion By Soil (Y/N) Yes				Alkaling deposits through roof bolts.				
Corrosion By Water (Y/N)	Yes			- Airailing deposits tillough tool bolts.				
Camber POS/ZERO/NEG	NEG							

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 4436	, Rise (mm): 2915, Type: RPE)						
Ponding (Y/N)	No									
Fish Passage Adequacy		4	4	Steep at outlet & above streambed. Channel stepped @ d/s end for 15m due to gabions.						
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		6	6	throughout pipe.						
Icing (Y/N)	Yes									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		5	5							
		D	ownstr	ream End						
Culvert Component		Last		Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall			Х							
Bevel End			4	Bevel undermining 1m from endphoto						
Heaving (mm) 50										
Invert Above/Below Stream Bed ABOVE				(Est)						
Above/Below (mm) 2000				Covered with snow & ice.						
Scour Protection			6	Gabion baskets in place.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)										
Scour/Erosion		6	6							
Beavers (Y/N)	No									
Downstream End General Rating			4							
		S	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment			6	u/s 50 deg. bend 10m u/s.						
Bank Stability			7							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading DEGRADING				At u/s channel						
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		6	6							

			Maintenance F	Recommen	dations					
Inspector Recommendations	Yea	r Inspect	or Comments		Department Con	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS					·					
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION		2 Repair	concrete collar on NW corr	ner.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 55.6	5/55.6	Sufficiency Rating (Las (%)	t/Now)	49.8/50.5	Est. Repl. Yr	2036	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date			Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Brian Pientsch			Pientsch Pr			Lisbeth Mo	edina			
Next Inspection Date	06-Sep-201	3		Previous	Inspection Date	09-Feb-20)10			
Inspection Cycle (Default) (months)	21				,					
Comment										