Bridge Culvert Inspection														
Bridge File Number 70884 -1 Bridge Culvert							Form Type			CUL1				
Year Built 1955							Lot No.			1				
Bridge or Town Name HINTON							Inspector Name			Shane Hall				
Located Over HAPPY CREEK, 8.11.140, WAT					ERCR	S-ST				BR CLS A				
Located On 16:02 R1 25.082;16:02 L1 25.092					2		Assistant Name							
Water Body Cl./Year							Assistant Class							
Navigabil. Cl./Yea	ar						Inspection Date			06-Jul-2012				
Legal Land Locat	tion N	NW SEC	10 TWP 51 R	GE 25 W5M			Data Entry By			Theresa Lacusta				
Longitude, Latitud	de -	·117:36:0	06, 53:23:44				Data Entry Date			10-Sep-2012				
			Transportation (AIT)				Review	er Name	1	Eric Carcoux				
Contract Main. Area CMA13					Review Date			20-Aug-2012						
Clear Roadway/S	Skew 1	15.2 /			Dept. Reviewer Name									
AADT/Year	ε	3,730 / 20	011 (A)				Dept. Review Date			18-Sep-2012				
Road Classification	on F	RAD-412	.4-120				Follow-	Uр Ву		•				
Detour Length (kr	m) 1	1												
Bridge Culvert Ir	nforma	tion												
Number of Culver	rts	1												
Pipe # Ba	arrel	S	pan	Rise (or I	Rise (or Dia.)			Length		Corr. Profile	PI./Slab Thickness	Shape		
1 M	1AIN	-		1800		SP		45.7				ROUND		
Special Features		D	ROP STRUC	TURE, BA	RREL	ELBO	W							
Special Features	Comm	ent												
	4				Uti	lities (L	ocated	at)						
Utility Attachment							0							
		& South r/w						Gas Vac						
	Street I	ight.					Municipal Yes							
Others	A 11 4	es of utilities cross pipe.					Problem (Y/N) No							
Remarks	Ап туре	es of utiliti	les cross pipe			h Door	l / Emb	ankment						
					Last	Now				tion				
Horizontal Alignment				7	7	Explanation of Condition 22m Hwy 16, East S.R. 8.7								
Vertical Alignmen			8 8			Est - pipe crosses 4 lanes of hwy 16 and 2 service roads.								
Roadway Width (30.700			Ū								
Embankment				5	5	(Ditch gully down North sideslope (photo). North end Towns								
Sideslope (:1)		3.0				responsibility.							
(Height of Cover(m) : 8)							1							
Guardrail (Y/N)			No											
Approach Road	/ Emba	ankment	General Rat	ing	7	7								
						Upstre	am End							
Culvert Component			Last	Now	1	ation of	Condi	tion						
Direction					S		Grizzly - grating was installed at culvert entrance.							
End Treatment (Concrete, Steel, STEEL Others, None)						Grating mostly destroyed/removedphoto Located West of Integra Tire.								
Headwall			Х	X										
Collar				Х	Х									
Wingwalls				Х	Х									
(Shape :)							1							
Cutoff Wall					Х	Х								

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			Upstre	am End						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	N	Bevel not connected for part of floor15-Sep-2010						
Heaving (mm)	100									
Invert Above/Below Stream Bed BELOW				Small logs & garbage has collected against grate and above pipe						
Above/Below (mm)	500			Pipe not safely accessible due to steel/sharp edges and partial blockage.						
Scour Protection		6	6							
(Type : NATURAL)				1						
(Avg. Rock Size(mm) :)										
Scour/Erosion		6	6							
	1									
Beavers (Y/N)	No									
Upstream End General Rating		6	6							
		Brid	dge Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm		, Rise (mm): 1800, Type: SP)						
Barrel Last Accessible Date	15-Sep-2010			D/S of drop structure insp. July 6, 2012. U/S of drop not accessible due to unsafe access.						
Special Features										
Special Feature		3	N	Floor buckling.						
(Type : DROP STRUCTURE)										
Special Feature			N	Too much water-not accessible. Large log caught in drop structurephoto						
(Type : BARREL ELBOW)		5								
Roof		2	N	10m d/s of drop structure.						
Measured Rise (mm) 1415										
Measured At Ring No.				Span measurement confirmed at same location.						
Sag (mm)	255			1						
Percent Sag	14									
Sidewall		3	N	10m d/s of drop structure.						
Measured Span (mm)	2055		-	Span measurement confirmed at same location.						
Measured At Ring No.										
Deflection (mm)	255									
Percent Deflection	14									
Floor		3	N	Floor buckling.						
Bulge (mm)	400									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		5	N							
Separation (mm)	25									
Longitudinal Seams		5	N	Few missing bolts in long S. circum. seams.						
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams				1N stagger.						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	No			1						
Longitudinal Stagger (Y/N)	Yes			1						
Coating		6	N	Minor superficial rust on floor of SPCSP and some spots of CSP.						
Corrosion By Soil (Y/N)	No		11							
Corrosion By Water (Y/N)	Yes			1						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
			-							

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Bridge Inspection & Maintenance System (Web 2005)

70884 -1 Bridge Culvert

Bridge Culvert Barrel											
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 1800, Type: SP)							
Fish Passage Adequacy		X	3	Drop structure							
Baffle		Х	Х								
(Туре :)											
Waterway Adequacy		5	5	Debris at inlet.							
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	Drift (Y/N) Yes										
Barrel General Rating		2	2	GR carried over.							
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction	Direction			Located W of Petro Canada.							
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall			X								
Collar		X	X								
Wingwalls		5	5								
(Shape :)											
Cutoff Wall		X	X								
Bevel End		Х	Х								
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm)	0										
Scour Protection		5	5	& riprap							
(Type : CONCRETE)				-							
(Avg. Rock Size(mm) : 300)		1									
Scour/Erosion			5								
Beavers (Y/N)	vers (Y/N) No										
Downstream End General Ratin	ng	5	5								
		S	Structu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		7	7								
Bank Stability	1	7	7								
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N) Yes											
Channel Bottom Degrading/Aggrading	DEGRADING			-							
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :				-							
(Fish Compensation Measure 2 :	NONE)		_								
Channel General Rating		7	7								

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Maintenance Recommendations													
Inspector Recommendations		١	Year	Inspecto	or Comments		Department Comments				Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION			2013	From u/s	s end.								
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTOFF		DFF											
REPAIR SEAMS													
OTHER ACTION		2	2013	Complete Assessment incl. Level 2 basis		barrel							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)					Sufficiency Rating (Last/Now) (%)		40.7/33.1		st. Repl. Yr 2015		Maint. Re	qd. (Y/N)	Yes
Special	Tranp. (Mike Botros	anp. (Mike Botros) advised of low ra			ating04-Oct-2010								
Comments for Next Inspection	300m length is appr	oximate :	and is fo	for the entire structure.			Comments						
Rizwan advised of low rating-29-Aug													
Maintenance Reviewed By							Date			E	Estimated Tota	0	
Proposed Long-T	erm Strategy												
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Eric C		Eric Car	Eric Carcoux Pr				revious Assistant's Name						
Next Inspection Date 06-A		06-Apr-2	06-Apr-2014 Previ				bus Inspection Date 15-Sep-2010						
Inspection Cycle (Default) (months) 21		21											
Comment													