Bridge Culvert Inspection														
Bridge File Num	ber	76747	-1 Bridge Culve	rt			Form 7	Гуре		CUL1				
Year Built 1969							Lot No.			2				
Bridge or Town	Name	GRANI	DE CACHE				Inspec	tor Name		Russel Vanderschaaf				
Located Over		MITAY	IMIN CREEK, 8 RCRS-ST	.10.58.31	.2.5,		Inspector Class		BR CLS B					
Located On			C1 23.063					Assistant Name						
Water Body Cl./	Year	10.01	71 20.000				Assistant Class							
Navigabil. Cl./Ye								tion Date		22-Aug-2012				
Legal Land Loca		SW SF	C 17 TWP 57 R	RGF 7 WA	SM		Data Entry By			Theresa Lacusta				
Longitude, Latitu			0:40, 53:55:14	,,,,		Data Entry Date		25-Sep-2012						
Road Authority	uuo		Transportation	(AIT)				ver Name		Eric Carcoux				
Contract Main.	Area	CMA05	•	(,)			Reviev			24-Sep-2012				
Clear Roadway/		8 /					•	Reviewer			1			
AADT/Year	<u> </u>		2011 (A)					Review Da	ate	18-Dec-2012				
Road Classifica	tion	RAU-20					Follow	-Up By						
Detour Length (	km)	425												
Bridge Culvert														
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1500		SP		38.4		152X51	2.8	ROUND		
Special Feature						-	00.1			,				
Special Feature		ment												
					114	ilities (L	ocated	at)						
Utility Attachme	nts				O C	iliues (L	-ocatec	at)						
Telephone S r/w							Gas							
Power		h N r/w				Munici	nal							
Others	1 11 07						Problem (Y/N) No							
Remarks														
	Approach Road / Embankment													
	Last	Now	Explanation of Condition											
Horizontal Alignment					7	7	No passing east bound. ON GRADE TO EAST.							
Vertical Alignme	ent				6	6	ON G	RADE TO	EAST.					
Roadway Width	(m)		8.000											
Embankment					8	8								
Sideslope (	:1)		3.0											
(Height of Cov		3)												
Guardrail (Y/N)		No												
Approach Road / Embankment General R		nt General Rat	ing	6 6										
		Unotro	am End											
Culvert Compo	nent				Last	Now								
Direction			N	INOW	LAPIGI	nation of	Conai	ш						
End Treatment (Concrete, Steel, STEEL														
Others, None) Headwall				X	Х									
Collar			X	X										
Wingwalls					X	X								
(Shape: )														
Cutoff Wall					Х	Х								

76747 -1 Bridge Culvert

			Hant	om End					
				eam End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		N	7						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection		N	7						
(Type : <b>NATURAL</b> )									
(Avg. Rock Size(mm):)									
Scour/Erosion		N	7						
Beavers (Y/N)	Yes			0.7m high beaverdam on bevelphoto					
Upstream End General Rating		7	7						
		Bri	dae Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S			, Rise (mm): 1500, Type: SP)					
Barrel Last Accessible Date	22-Aug-2012	,	<u>,                                     </u>						
Special Features									
Special Feature									
(Type:)				1					
Special Feature									
(Type:)									
Roof		7	7						
	1571	/	/						
Measured At Biog No.				- Upward					
Measured At Ring No.	6								
Sag (mm)	71								
Percent Sag	5		1						
Sidewall		7	7						
Measured Span (mm)	1423			Inward					
Measured At Ring No.	6								
Deflection (mm)	77			_					
Percent Deflection	5								
Floor		6	6						
Bulge (mm)	0								
Measured At Ring No.	7								
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	0								
Longitudinal Seams		7	7						
Total No. of Cracked Rings	0			1					
Total No. of Rings with Two Cracked Seams				1N Stagger					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	Yes								
Coating	. 00	4	4	Pitting rust on 450mm wide strip of floor					
	No	4	4	Pitting rust on 450mm wide strip of floor.					
Corrosion By Soil (Y/N)				-					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

		Brid	dge Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1500, Type: SP)				
Fish Passage Adequacy		4	4	Hanging outlet.				
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		3	3	Beaver dam blocking pipe @ U/S. photo				
Icing (Y/N)	No			75-150mm @ drift at d/s end.				
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		7	7					
			ownstr	ream End				
Culvert Component		Last		Explanation of Condition				
Direction		S	11011					
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		N	X					
Bevel End		N	5	Protruding 300mm from fill.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	500							
Scour Protection		N	5	1-1.5m dia. rock at outlet.				
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm): 500)								
Scour/Erosion		N	5					
Beavers (Y/N)	Yes			Cuttings present.				
Downstream End General Ratio	ng	5	5					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		1	1					
Alignment		5	5	Several bends coming into the pipe				
Bank Stability		8	8	Sloughin banks d/s dam @ inlet.				
HWM (m below Top of Culvert) 3.0				(@ U/S END -LATH & DEBRIS ON SIDESLOPE 2000.01.03)				
Drift (Y/N) Yes				1				
Channel Bottom Degrading/Aggrading  Tes  DEGRADING				D/S only.				
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	5					

			Maintenanc	e Recommen	dations					
Inspector Recommendations	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	2013	@ u/s end	l.							
INSTALL CONCRETE/STEEL LINING	<b>;</b>									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2013	Remove b	eaver dam.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8/77	7.8	Sufficiency Rating (Last/Now) (%)		50.9/50.8	Est. Repl. Yr	2025 Maint. Re		qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Russel Vander	schaaf		Previous	Assistant's Name					
Next Inspection Date	22-May-2014			Previous	Inspection Date	18-Nov-2010				
Inspection Cycle (Default) (months)	21									
Comment										