Bridge Culvert Inspection														
Bridge File Nun	nber	75719	-1 Bridge Culvei	rt			Form Type CUL1							
Year Built 1975							Lot No			1				
Bridge or Town	MILION				Inspec	tor Name		Brian Pientsch						
Located Over TRIBUTAI WATERCI		ARY TO PEACE RIVER, 8.10.19, CRS-ST				Inspector Class BR CLS A								
Located On 58:10 C1 3						Assistant Name			Clem Guenette					
Water Body Cl./Year								ant Class		40 1 0040				
Navigabil. Cl./Y								Inspection Date 13-Jun-2012						
			C 18 TWP 110	RGE 9 W	′5M			Data Entry By Theresa Lacusta						
Longitude, Latit		-115:30	0:16, 58:33:19				Data Entry Date 06-Nov-2012							
Road Authority			Transportation	(AIT)				Reviewer Name Eric Carcoux						
Contract Main.	Area	CMA01	·	,			Review Date 04-Nov-2012  Dept. Reviewer Name David Morrison							
Clear Roadway	/Skew	11 / 15	deg. (RHF)								<u>n</u>			
AADT/Year		230 / 2	•				Dept. Review Date		14-Jan-2013					
Road Classifica	ation	RAU-2					Follow-Up By							
Detour Length (	(km)	999												
Bridge Culvert		ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2905		SP		30.5		152X51	3.0	ROUND		
Special Feature	al Features						'			'				
Special Feature		ment												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents					,								
Telephone							Gas							
Power 3 wire o/h - South r/w.							Munici	pal						
Others						m (Y/N)	No							
Remarks														
				A	proac			ankment						
				Last	Now	Explar	nation of	Condi	tion					
Horizontal Alignment			9	9										
Vertical Alignment				8	8									
Roadway Width (m)		11.500												
Embankment				6	6									
Sideslope (:1)		3.0												
(Height of Co	ver(m):	1.5)												
Guardrail (Y/N)		No												
Approach Roa	d / Emb	oankme	nt General Rat	ing	8	8								
						Upstre	am Enc							
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion				
Direction					N									
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall					Х	Х								
Collar				Х	X									
Wingwalls				Х	Х									
(Shape: )														
Cutoff Wall				Х	X									

75719 -1 Bridge Culvert

			Unetro	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End	I	N	N	(Bottom 3/4 of bevel is protruding from fill 500mm. 05/05/10)					
Heaving (mm)	200	- 14	11	1`					
				Only 10% visible-water 1.0m deep.					
Invert Above/Below Stream Bed	BELOW			End of bevel under water.					
Above/Below (mm)	800								
Scour Protection		5	4	Erosion on East side bevel 1.8m Long x 0.7m Wide x 0.5m Deep.					
(Type : NATURAL)									
(Avg. Rock Size(mm):)				5 . 01					
Scour/Erosion		5	4	Erosion @ beve.					
Beavers (Y/N)	Yes			Large dam 15m u/s					
Upstream End General Rating		4	4						
		Brid	dae Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Sp			, Rise (mm): 2905, Type: SP)					
Barrel Last Accessible Date	17-Jan-2007			Water 1.0m deep.					
				Shape of pipe adequate when viewed from both ends.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		6	N	Slight depression at 10:30 u/s of c/l.					
Measured Rise (mm)				Floor water covered - no rise measured south end of the barrel damaged at top.					
Measured At Ring No.									
Sag (mm)	0								
Percent Sag									
Sidewall		6	N	2007-01-17					
Measured Span (mm)	2951								
Measured At Ring No.	5								
Deflection (mm)	46								
Percent Deflection	2								
Floor		N	N	Water cover					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		N	N						
Separation (mm)	0								
Longitudinal Seams		N	N	1N Stagger					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	Yes								
Coating		6	6	Staining.					
Corrosion By Soil (Y/N)	No			Viewed from ends.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	Yes			(Ponding 500mm 05/05/10)					

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Bridge Culvert Barrel								
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2905, Type: SP)				
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating		N N		GR 6 17-Jan-2007				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		Х	X					
Wingwalls		Х	Х					
(Shape: )			_					
Cutoff Wall		Х	X					
Bevel End		4	4	Sides damaged from 9 to 3 o'clock.				
Heaving (mm)	100			Water 1.0m deep				
Invert Above/Below Stream Bed	BELOW			End of bevel under water.				
Above/Below (mm)	400							
Scour Protection		6	6					
(Type : <b>NATURAL</b> )								
(Avg. Rock Size(mm) : )		1						
Scour/Erosion		6	6					
Beavers (Y/N)	No							
Downstream End General Rating			4					
		S	Structur	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		1						
Alignment			5					
Bank Stability			5	Slumping of the bank d/s.				
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading				Incised channel				
Beavers (Y/N) Yes				B/D 20m U/S				
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			5					

		Maintenance Re	commendations				
Inspector Recommendations	Year	Inspector Comments	Department Co	omments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING							
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTO	OFF						
REPAIR SEAMS							
OTHER ACTION	2012	Unable to access barrel last 2 inspectorycles, recommend Level 2 inspector bim manual.	ction on as per				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 55.6/55	Sufficiency Rating (Last/I	Now) 57.0/56.9	Est. Repl. Yr 2024	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 0	,
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Brian Pientsch		Previous Assistant's Nam	e Lisbeth Medina			
Next Inspection Date	13-Mar-2014		Previous Inspection Date	06-Aug-2010			
Inspection Cycle (Default) (months)	21			, ,			
Comment							