Bridge Culvert Inspection														
Bridge File Num	mber 08952 -1 Bridge Culvert					Form Type				CUL1				
Year Built		1989					Lot No.			4				
Bridge or Town	Name	ETZIK	MC			Inspector Name			Tom Carey					
Located Over	FORTY MILE COULEE, 2.7.1.12.2 WATERCRS-ST			2.2,	Inspector Class			BR CLS A						
Located On			C1 9.534				Assista	ant Name						
Water Body Cl./	Vear	000.04	019.554			Assistant				1				
Navigabil. Cl./Ye							· ·	tion Date		13-Mar-2012				
Legal Land Loca		NE SE	C 14 TWP 7 RG	E Q WAN				ntry By		Anne Roberts				
				JE 3 VV-1V	<u>.                                      </u>			ntry Date		10-Apr-2012				
		06:44, 49:33:52 a Transportation (AIT)				Reviewer Name			Garry Roberts					
Contract Main. Area CMA24		•		Review Date			25-Mar-2012							
Clear Roadway		10.8 /					Dept. Reviewer Name Dept. Review Date			Tim Davies				
AADT/Year			011 (A)						ate	17-Apr-2012				
Road Classifica	tion	RCU-2	· · ·				Follow	-Up By						
Detour Length (		26												
Bridge Culvert										1				
Number of Culv			1											
Pipe #	Barrel		Span	Span Rise (or I		Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		_	1800		MP		48		125X26	2.8	ROUND		
Special Feature							1.0		1					
Special Features Comment														
Utilities (Located at)														
Utility Attachments  Telephone Along West fence.  Gas														
Telephone	Along	westre	nce.				Municipal Municipal							
Power							Problem (Y/N) No							
Others							Floble	III ( 171 <b>N</b> )	INO					
Remarks  Approach Road / Embankment														
						Now		Explanation of Condition						
Horizontal Alignment			6	6	In curve, super elevated.									
Vertical Alignment				6	6	In bottom of sag								
Roadway Width	(m)		10.800											
Embankment				8	8									
Sideslope (	:1)		3.0											
(Height of Cover(m) : 4.3)														
Guardrail (Y/N) No														
Approach Road	d / Fmb	nankme	ent General Rat	ina	6	6								
Approach Road / Embankment General Rating							om End							
Culvert Compo	nent				Last	Upstre: Now		nation of	Condi	tion				
			W	INOW	West	iation or	Conai							
End Treatment (Concrete, Steel, Others, None)					11001									
Headwall			Х	Х										
Collar					Х	X								
Wingwalls					X	X								
(Shape: )						- '								
Cutoff Wall					Х	Х								

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	N	(Start of pitted rust on floor.)
Heaving (mm)	100			Submerged
Invert Above/Below Stream Bed				
Above/Below (mm)	200			
Scour Protection	1_00	N	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		N	N	
			'`	
Beavers (Y/N)	No			
Upstream End General Rating	1	5	N	PR 5
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	09-Feb-2009	- Pan (111111	<i>,</i> -	, (). 1000; 1 Jpo. IIII /
Darrei Lasi Accessible Dale	09-1 60-2009			
Special Features				
Special Feature				Average 1000 mm deep water - viewed from ends - shape good.
(Type:)				
Special Feature				
(Type:)				
Roof		8	N	(Est)
Measured Rise (mm)	1790			
Measured At Ring No.	4			
Sag (mm)	10			
Percent Sag				
Sidewall		8	N	(Inward)
Measured Span (mm)	1793			(**************************************
Measured At Ring No.	4			
Deflection (mm)	7			
Percent Deflection				
Floor		N	N	(Ice covered)
Bulge (mm)		IN	1.4	(ide dovered)
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	140	7	N	
Separation (mm)	35	1	IN	
	00	X	V	
Longitudinal Seams  Total No. of Cracked Pings		Α	X	
Total No. of Cracked Rings  Total No. of Rings with Two				
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		4	4	(Some superficial rust @ barrel floor.
Corrosion By Soil (Y/N)	Yes			Pitted corrosion @ bevel floors.) Pitted corrosion at top of roof at ends.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			(200mm of water in the pipe.) 2005/10/17

Bridge Culvert Barrel											
Culvert Component			Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1800, Type: MP)							
Fish Passage Adequacy		Х	X								
Baffle		Х	Х								
(Type:)											
Waterway Adequacy		8	8								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N) No											
Barrel General Rating			N								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		E		East							
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		X	X								
Collar		Х	Х								
Wingwalls		Х	Х								
(Shape: )											
Cutoff Wall			X								
Bevel End			N	Submerged							
Heaving (mm)	125										
Invert Above/Below Stream Bed BELOW											
Above/Below (mm)	250										
Scour Protection		N	5	Doesn't have too much rock at sides							
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 200)			1								
Scour/Erosion			5								
Beavers (Y/N)	No										
Downstream End General Ratin	ng	8	N	PR 8							
		s	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			8	Pipe is an equalizer between 2 large ponds							
Bank Stability			8								
HWM (m below Top of Culvert)				(HWM .6m) 02/05/31							
Drift (Y/N) No				HWM not visible.							
Channel Bottom Degrading/Aggrading											
Beavers (Y/N) No											
(Fish Compensation Measure 1 : NONE)											
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		8	8								

			Mainten	ance Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 88.9/	55.6	Sufficiency Rating	g (Last/Now)	84.4/66.6	Est. Repl. Yr	2032	Maint. Re	qd. (Y/N)	No
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	Tim Davies			Previous	Assistant's Name					
Next Inspection Date	13-Jun-2015	5		Previous	Inspection Date	09-Feb-2009				
Inspection Cycle (Default) (months)	39									
Comment										