					Bridg	e Culve	rt Insp	ection		l				
Bridge File Num	ber	74657 -	-1 Bridge Culve	rt			Form 7	уре		CUL1				
Year Built		1956					Lot No			4				
Bridge or Town	Name	KIRKC					Inspector Name			Tom Carey				
Located Over		LONG	COULEE CREEK, 2.12.12.9, RCRS-ST				Inspec	tor Class		BR CLS A				
Located On	-		C1 25.053				Assista	nt Name						
Water Body Cl./		23.00 (1 25.053				Assista	nt Class						
Navigabil. Cl./Ye								tion Date		18-Feb-2013				
Legal Land Loca		S/W SE	C 15 TWP 16 R	CE 24 W	// 1/ /		Data E	ntry By		Anne Roberts				
Longitude, Latitu				GE 24 VV	4101		Data E	Data Entry Date 17-Mar-2013						
Road Authority			3:59, 50:20:22				Reviewer Name			Garry Roberts				
Contract Main. A		CMA25	Transportation (AIT)							03-Mar-2013				
Clear Roadway/			30 deg. (LHF)				Dept. Reviewer Name Tim Davies							
AADT/Year			-				'			25-Mar-2013				
		2,580 / 2011 (A) RAU-213-120						Follow-Up By						
		3	10 120											
Bridge Culvert														
Number of Culve		<u> </u>	1											
	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		-	1830		SP		39		152X51	2.8	ROUND		
Special Features	 S									1	'			
Special Features		nent												
					Uti	ilities (L	ocated	at)						
Utility Attachmer	nts							,						
Telephone	East ro	ow.					Gas							
Power	4w - W	est row	v and 3w - 30m	South			Munici	ınicipal						
Others							Problem (Y/N) No							
Remarks														
				Α	pproac	ch Road	l / Emb	ankment						
A			Last		Explanation of Condition									
Horizontal Alignment			7	7	Local road intersection 50 m South.									
Vertical Alignment			8		8									
Roadway Width (m)		12.800	12.800											
Embankment					8	8								
Sideslope (:	:1)		3.0											
(Height of Cov	er(m):	2.2)												
Guardrail (Y/N)		No												
Approach Road	d / Emb	ankme	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	ation of	Condi	tion				
Direction		W												
End Treatment (Others, None)	Concre	ete, Stee	el, STEEL											
Headwall			Х	X										
Collar					Х	Х								
Wingwalls				Х	X									
(Shape:)														
Cutoff Wall					X	X								

			Upstre	am End			
Culvert Component		Last	Now	Explanation of Condition			
Bevel End		5	5	(Floor corrosion pitted). Not well supported underneath. Projects			
Heaving (mm)	0			from fill 300mm Bevel hangs above stream bed 50mm for 1n length.			
Invert Above/Below Stream Bed	BELOW			200 mm ice on bevel.			
Above/Below (mm)	50			1			
Scour Protection		5	5	And 300mm rock			
(Type : NATURAL)							
(Avg. Rock Size(mm):)							
Scour/Erosion		5	5	Minor scour			
Beavers (Y/N)	No						
Upstream End General Rating	l	5	5				
		Brid	dae Cu	lvert Barrel			
Culvert Component			Now	Explanation of Condition			
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			, Rise (mm): 1830, Type: SP)			
Barrel Last Accessible Date	18-Feb-2013						
Special Features							
Special Feature				200 mm of ice.			
(Type:)							
Special Feature							
(Type:)							
Roof		7	7				
Measured Rise (mm)	1770	-					
Measured At Ring No.	9						
Sag (mm)	60						
Percent Sag	3						
Sidewall	-	7	7				
Measured Span (mm)	1830		'				
Measured At Ring No.	9						
Deflection (mm)	0						
Percent Deflection	0						
Floor	J	5	5	Rust & Scale on floor with some pitting, seen at floor haunches.			
	0	3	J	Trast a Scale on noor with some pitting, seen at noor natheres.			
Bulge (mm) Measured At Ring No.	U						
Measured At Ring No. Abrasion (Y/N)	No						
Circumferential Seams	140	5	5	Several missing bolts or loose.			
Separation (mm)	0	3	J	Several missing bone of 10036.			
Longitudinal Seams		7	7				
Total No. of Cracked Rings	0	1					
Total No. of Rings with Two Cracked Seams	0						
Min. Remaining Steel Between Cracks (mm)	0						
Proper Lap (Y/N)	Yes						
Longitudinal Stagger (Y/N)	Yes						
	163	5	5	Correction with some pitting on floor @ LUC 4/2 Correction and			
Coating Correction By Soil (V/N)	No	5	1 5	Corrosion with some pitting on floor @ U/S 1/3. Corrosion scalin			
Corrosion By Water (Y/N)	Yes						
Compar BOS/ZEBO/NEC	i e						
Camber POS/ZERO/NEG	ZERO						
Ponding (Y/N)	No						

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1830, Type: SP)
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		5	5	Projects from fill 300mm and is unsupported for 1m at end.
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		5	5	Minor scour hole 8m D/S
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	Ditch enters and exits on 60 degree skew.
Bank Stability		8	8	
HWM (m below Top of Culvert)	0.6			(Straw on roof bolts -16-Aug-2007)
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	5	

74657 -1 Bridge Culvert

		Maintena	nce Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Com	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS	1 Gai	mapector comments	Department Con	imento	raiget real	L31. 0031	Oat #
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	3						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	low) 77.8/77	3.8 Sufficiency Rating (%)	(Last/Now) 69.9/69.8	Est. Repl. Yr 2073	Maint. Re	eqd. (Y/N)	No
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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	18-Nov-2014		Previous Inspection Date	18-May-2011			
•				•			
Inspection Cycle (Default) (months)	21						