00958 -1 Bridge Culvert

Bridge Culvert Inspection													
Bridge File Number	00958 -1	Bridge Culve		J		Form T			CUL1				
Year Built	1970					Lot No.			4				
Bridge or Town Name	IRVINE					Inspector Name			Tom Carey				
Located Over		REEK, 2.7, W	ATERCRS	S-ST		Inspec	tor Class		BR CLS A				
Located On	515:02 C					Assista	int Name						
Water Body Cl./Year						Assista	int Class						
Navigabil. Cl./Year						Inspec	Inspection Date		13-Mar-2012				
Legal Land Location SW SEC 6 TWP 10 RGE 2 W4M					Data Entry By			Erin Roberts					
Longitude, Latitude	-110:16:2	9, 49:47:10		Data			Data Entry Date 08-Apr-2012						
Road Authority			(AIT)		Reviewer Name				Garry Roberts				
Contract Main. Area CMA23						Reviev	/ Date		25-Mar-2012				
Clear Roadway/Skew	11.4 / 10	deg. (RHF)		Dept. Reviewer Name			Name						
Clear Roadway/Skew 11.4 / 10 deg. (RHF)  AADT/Year 80 / 2011 (A)				·			17-Apr-2012						
Road Classification	RCU-209	` '			Follow-Up By			<u>F</u> 52					
Detour Length (km)	5					1	. ,						
Bridge Culvert Inform	ation												
Number of Culverts	1												
Pipe # Barrel	SI	pan	Rise (or D	Rise (or Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 MAIN	34	<del>1</del> 75	3840		SPE		43.7		152X51	4.2,4.2,4.2	ELLIPSE		
Special Features											·		
Special Features Com	ment												
				Uti	lities (L	ocated	at)						
Utility Attachments								T					
Telephone South side.						Gas							
Power 1 wire crossing road 40m West, North s				ide.		Municipal Problem (Y/N) No							
Others						Proble	m (Y/N)	No					
Remarks			Δ		h Daar	J / Emb	- nless out						
				<u>oroac</u> Last	Now	Explanation of Condition							
Horizontal Alignment				7	7	Farm entrance 30m East.							
Horizontal Alignment Vertical Alignment			5	5	Bottom of coulee, 300m sight distance.								
Roadway Width (m) 11.400					<u> </u>								
Embankment				N	7								
Sideslope (:1)		3.0											
(Height of Cover(m) :	3.8)	0.0											
Guardrail (Y/N)	. 0.0)	No											
Approach Road / Emi	bankment	General Rat	ing	5	5								
					Upstre	am End							
<b>Culvert Component</b>				Last	Now		ation of	Condi	tion				
Direction				S		South							
End Treatment (Concre Others, None)	ete, Steel,	CONCRETE											
Headwall				Х	Х								
Collar				5	5	Slope	concrete	slab on	East side crac	ked and broke	า.		
Wingwalls	Wingwalls			Χ	Х								
(Shape: )													
Cutoff Wall			N	N									

			Unstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		7	7	Explanation of Condition				
Heaving (mm)	0							
Invert Above/Below Stream Bed				snow covered				
				Show covered				
Above/Below (mm)	700	NI NI	7					
Scour Protection		N	7					
(Type: RIP RAP)								
(Avg. Rock Size(mm) : <b>500</b> )			l _					
Scour/Erosion		N	7					
Beavers (Y/N)	No							
Upstream End General Rating		5	5					
		Brid	dge Cu	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S			·				
Barrel Last Accessible Date	13-Mar-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		5	5	Estimate				
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)	250							
Percent Sag	6							
Sidewall		5	5					
Measured Span (mm)	3665							
Measured At Ring No.	5							
Deflection (mm)	190							
Percent Deflection	5							
	J	NI.	l NI	les and water covered				
Floor Bulge (mm)		N	N	Ice and water covered.				
Measured At Ring No.								
Abrasion (Y/N)		-	_					
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams	T -	7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		6	6	Bolts have white stains and corrosion stains.				
Corrosion By Soil (Y/N)	Yes							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

		Bric		lvert Barrel							
Culvert Component		Last		Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	<u>): 3475</u>	, Rise (mm): 3840, Type: SPE)							
Fish Passage Adequacy		Х	X								
Baffle			Х								
(Type:)											
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		5	5								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		N		North							
End Treatment (Concrete, Steel, Others, None)	Treatment (Concrete, Steel, STEEL ers, None)										
Headwall		X	X								
Collar			X								
Wingwalls			Х								
(Shape: )											
Cutoff Wall			X								
Bevel End		7	8								
Heaving (mm)	0										
Invert Above/Below Stream Bed	nvert Above/Below Stream Bed BELOW										
Above/Below (mm) 1000											
Scour Protection		N	8								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 800)			1								
Scour/Erosion		N	8								
Beavers (Y/N)	No			New class 2 rip rap seen at bevel and sides of stream.							
Downstream End General Ratin	ng	4	8								
		S	tructu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			7								
Bank Stability		N	7								
HWM (m below Top of Culvert)				HWM not visible							
Drift (Y/N)	No										
Channel Bottom Degrading/Aggrading											
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :											
(Fish Compensation Measure 2 : NONE)											
Channel General Rating		8	7								

			Maintenance	Recommen	dations						
Inspector Recommendations	spector Recommendations Year Inspector Comments						Department Comments				
SHOTCRETE REPAIRS					·			Target Year			
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	<b>3</b>										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/55.6 Sufficiency Rating (%)		st/Now)	63.7/67.1	Est. Repl. Yr	2022 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 Previou				Assistant's Name							
Next Inspection Date 13-Jun-2015 Previou				Previous	Inspection Date	12-Mar-2009					
Inspection Cycle (Default) (months)	39										
Comment											