Bridge Culvert Inspection															
Bridge File Number 75		75157 -1	75157 -1 Bridge Culvert					уре		CUL1					
Year Built 1991		1991	991							4					
Bridge or Town Name SCANE		SCAND	NDIA				Inspector Name			Jon Davies					
Located Over		EID - IRI) - IRRIGATION C, WATERCRS-IC					or Class		BR CLS B					
Located On		36:06 C	1 7.166				Assistant Name								
Water Body CI./Year							Assistant Class								
Navigabil. Cl./Year							Inspection Date			11-Jan-2012					
Legal Land Loca	ation	SW SEC	SEC 28 TWP 15 RGE 15 W4M					ntry By		Anne Roberts					
Longitude, Latitu	ude	-112:01:	2:01:14, 50:17:10					Data Entry Date		25-Feb-2012					
Road Authority Alberta		Alberta 7	rta Transportation (AIT)					er Name	•	Garry Roberts					
Contract Main. Area CMA23			3					Review Date		20-Jan-2012					
Clear Roadway/Skew 11.4 /		11.4 / -1	/ -15 deg. (LHF)					Dept. Reviewer Name		Tim Davies					
AADT/Year		1,580 / 2	2010 (A)				Dept. Review Date		11-Mar-2012						
Road Classificat	tion	RAU-21	U-211.8-110					Follow-Up By							
Detour Length (km)	6													
Bridge Culvert Information															
Number of Culverts 1															
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		3967	2510		RPB		28		152X51	4.0	ELLIPSE			
Special Feature	S														
Special Features Comment															
Litility Attachmo	nte				υu	nues (L	ocaleu	al)							
Telephone	Weet	sido					Gas								
Power	wor 2.W.20m E of Cl						Municir								
Others							Probler	m (V/N)	No						
Pemarke Eibro ontio coble west diteb								II (171 N)							
Remarks				Α	oproad	h Road	l / Fmb	ankment							
						Now	Explanation of Condition								
Horizontal Alignment			9	7	Intersection to South										
Vertical Alignment				9	9	DAMAGED RAIL SW CORNER - minor									
Roadway Width (m)			10.400												
Embankment						6	Minor s	ettlemen	t at We	est					
Sideslope (:1)		4.5												
(Height of Cov	/er(m) :	0.7)					1								
Guardrail (Y/N)		,	Yes												
Approach Road	d / Emk	bankmen	t General Rat	ing	9	7									
						Upstre	am End								
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion					
Direction			W												
End Treatment (Concrete, Steel, STEEL Others, None)															
Headwall		Х	Х												
Collar			Х	X											
Wingwalls		Х	Х												
(Shape :)															
Cutoff Wall			Х	Ν											

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			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		N	6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 500									
Scour Protection			5	25 to 150mm rock					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 100)									
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Upstream End General Rating			5						
		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 3967	, Rise (mm): 2510, Type: RPB)					
Barrel Last Accessible Date	11-Jan-2012		-	(Culvert is lined under bridge and grouted with concrete) 20021009					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type :)									
Roof		N	7						
Measured Rise (mm)	2510								
Measured At Ring No	1			Estimate					
	0			1					
Barcent Sag	0								
Sidowall		N	7						
Massured Span (mm)	2020		1						
Measured At Bing No.	3930 A			Inward					
Deflection (mm)	27								
Deflection (IIIII)	0								
	0	NI	N						
		IN	IN						
Buige (mm)				-					
	NI-			-					
Abrasion (Y/N)	NO								
Circumferential Seams		N	6						
Separation (mm)									
Longitudinal Seams		N	7	Unable to view lower seams					
I otal No. of Cracked Rings	0			-					
Total No. of Rings with Two Cracked Seams				-					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N) Yes									
Longitudinal Stagger (Y/N) No									
Coating		N N		White staining on roof heavy leaching					
Corrosion By Soil (Y/N)	Yes			on circumferential seams and roof /side wall seams.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Sp	an (mm): 3967	, Rise (mm): 2510, Type: RPB)						
Fish Passage Adequacy		X	7							
Baffle		X	X							
(Туре :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		N	7							
	Downstream End									
Culvert Component		Last	Now	Explanation of Condition						
Direction	I	E								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar			X							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		N	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)										
Scour/Erosion			7							
Beavers (Y/N)	eavers (Y/N) No									
Downstream End General Ratin	ng	7	7							
		S	Structur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			-							
Alignment			8	Canal banks appear re-groomed and amoured recently						
Bank Stability			8							
HWM (m below Top of Culvert) 0.6				No HWM visible						
Drift (Y/N) No										
Channel Bottom NONE Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			8							

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/77.	8 Sufficiency R (%)	Rating (Last/Now)	63.6/73.7 Est. Repl. Yr 203		2036	Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date		E	Estimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Tom		arey		Previous	Previous Assistant's Name							
Next Inspection Date 1		11-Oct-2013			revious Inspection Date 22-Jun-2010							
Inspection Cycle (Default) (months) 21												
Comment												