					Brida	e Culve	ert Insp	ection					
Bridge File Nur	nber	70592 -	1 Bridge Culv	ert			Form T			CULE			
Year Built/Line		1970/19	993				Lot No	Lot No.		1			
Bridge or Town	Name	VULCA	N				Inspec	tor Name		Garry Roberts			
Located Over			TARY TO WE (, 2.13.18.5, V			D	Inspector Class Assistant Name			BR CLS A			
Located On			C1 4.503										
Water Body CI.	/Year						Assistant Class			00 Mar 0010			
Navigabil. CI./Y							Inspection Date			22-May-2010			
Legal Land Loc		SE SEC	E SEC 1 TWP 17 RGE 26 W4M				Data Entry By			Erin Roberts			
Longitude, Latit		-113:26	13:26:36, 50:23:50				Data Entry Date			23-Aug-2010			
Road Authority			Iberta Transportation (AIT)				Reviewer Name Review Date			Joel Wozney 03-Jun-2010			
Contract Main.	Area	CMA25	<i>,</i>						Nomo	Lorenz Bohner	4		
Clear Roadway	/Skew	8.4 / 15	deg. (RHF)				· · · ·	Review Da		07-Sep-2010	L		
AADT/Year		690 / 20	009 (A)				Follow			07-Sep-2010			
Road Classifica	ation	RCU-20)9-110				FUILOW	ор Бу					
Detour Length	(km)	6											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		3										
Pipe #	Barrel		Span	Rise (or	(or Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape	
2	U/S		-	2700		MP		11.5				ROUND	
2	MAIN		-	1990		SP		24.8		152X51		ROUND	
2	D/S		-	2700		MP		8.5				ROUND	
3	U/S FU LINER	JLL	-	1600		FP		10				ROUND	
3	MAIN F LINER	ULL	-	1200	SSP			27.7				ROUND	
3	D/S FU LINER	JLL	-	1600	1600 FP			10				ROUND	
4	U/S FU LINER	JLL	-	1600		FP	10					ROUND	
4	MAIN F LINER	ULL	-	1200		SSP		27.7				ROUND	
4	D/S FU LINER	JLL	-	1600		FP	10					ROUND	
Special Feature	es												
Special Feature	es Com	ment											
					114			-					
Litility Attachma	onto				Ut	littles (L	ocated	at)					
Utility Attachme	s.ditcl	2					Gas						
Telephone Power		,north					Munici	hal					
Others	2 10110	,1101111							No				
Remarks													
Itemarks				Δr	nroa	h Road	l/Emb	ankment					
					Last	Now		ation of 0	Condi	tion			
Horizontal Aligr	nment				9	9		ises to the					
Vertical Alignm					5	5							
Roadway Width			8.400										
Embankment					7	7							
Sideslope (_:1)		2.0				1						
(Height of Co		: 4.1)					1						
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankme	nt General R	ating	5	5							

Bridge Inspection & Maintenance System (Web 2005)

70592 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		S		South- 2700 x 11.5m long CSP extension
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		7	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		6	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	8	
Beavers (Y/N)	No			
Upstream End General Rating		7	8	
		Dric		lvert Barrel
Culvert Component		1		
Culvert Component (Pipe # : 2. Secondary Span. Lo	cation Code: U/S. Sp	Last	Now	Explanation of Condition
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date	cation Code: U/S, Sp 22-May-2010	Last	Now	
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date		Last	Now	Explanation of Condition , Rise (mm): 2700, Type: MP)
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features		Last	Now	Explanation of Condition , Rise (mm): 2700, Type: MP)
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 2700, Type: MP)
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)		Last	Now	Explanation of Condition , Rise (mm): 2700, Type: MP)
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature		Last	Now	Explanation of Condition , Rise (mm): 2700, Type: MP)
(Pipe # : 2 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)		Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof	22-May-2010	Last	Now	Explanation of Condition , Rise (mm): 2700, Type: MP)
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof Measured Rise (mm)		Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	22-May-2010 2700	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	22-May-2010	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	22-May-2010 2700	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	22-May-2010 2700 0	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	22-May-2010 2700	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	22-May-2010 2700 0 2700	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	22-May-2010 2700 0	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	22-May-2010 2700 0 2700	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor	22-May-2010 2700 0 2700 0	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	22-May-2010 2700 0 2700	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	22-May-2010 2700 0 2700 0 2700 0	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate
(Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	22-May-2010 2700 0 2700 0	Last	Now n):	Explanation of Condition , Rise (mm): 2700, Type: MP) 2700mm CSP extensions Estimate

		Brid	lae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, L	ocation Code: U/S, S			, Rise (mm): 2700, Type: MP)
Longitudinal Seams			Х	
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			8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			7	
Baffle			X	
(Type:)				
Waterway Adequacy			7	_
Icing (Y/N)	No			_
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rat	ing		9	
		Bric		lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, L	ocation Code: MAIN.			, Rise (mm): 1990, Type: SP)
Barrel Last Accessible Date	22-May-2010			1990 SPCSP
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	3	Isolated perforations in R3
Measured Rise (mm)	1932			
Measured At Ring No.	4			1
Sag (mm)	58			
Percent Sag	2			
Sidewall		4	4	4th ring from d/s has crack in the sidewall - not @ the longitudinal
Measured Span (mm)	2048			seam - 20, 50, 104mm in length - 120mm remaining steel
Measured At Ring No.	4			1
Deflection (mm)	58			1
Percent Deflection	2			1
Floor		N	6	
Bulge (mm)	0		J	
Measured At Ring No.	-			1
Abrasion (Y/N)	No			
		7	7	
Circumferential Seams				
Circumferential Seams Separation (mm)	0	7	7	

	Bridge Culvert Barrel							
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN,	Span (r	nm):	, Rise (mm): 1990, Type: SP)				
Longitudinal Seams		5	5					
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		5	3	minor corrosion in lower sections.				
Corrosion By Soil (Y/N)	Yes			roof perforations.				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							
Fish Passage Adequacy		6	5					
Baffle		Х	Х					
(Type:)			_					
Waterway Adequacy	1	7	7					
Icing (Y/N)	No			-				
Silting (Y/N)	No			-				
Drift (Y/N)	No	_	_					
Barrel General Rating		4	3					
		D		ream End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Direction	1	N		2700mm CSP extension x 8.5m long				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		X	X					
Wingwalls		X	X					
(Shape :)								
Cutoff Wall		X	X					
Bevel End		6	9					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)								
	200							
Scour Protection	200	6	8					
	200	6	8					
Scour Protection	200	6	8					
Scour Protection (Type : RIP RAP)	200	6	8					
Scour Protection (Type : RIP RAP) (Avg. Rock Size(mm) : 400)	200 No							

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)			
Direction		S		1600mm CSp extension- West pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			Х	
Collar			Х	
Wingwalls			Х	
(Shape :)				
Cutoff Wall			Х	
Bevel End			9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection			8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			8	
Beavers (Y/N)	No			
Upstream End General Rating	1		8	
		Bric	dae Cu	lvert Barrel
Culvert Component		Last	Now	
Culvert Component (Pipe # : 3, Secondary Span, Lo	ocation Code: U/S, Sp			Explanation of Condition , Rise (mm): 1600, Type: FP)
-	ocation Code: U/S, Sp 22-May-2010			Explanation of Condition
(Pipe # : 3, Secondary Span, Lo				Explanation of Condition , Rise (mm): 1600, Type: FP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date				Explanation of Condition , Rise (mm): 1600, Type: FP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features				Explanation of Condition , Rise (mm): 1600, Type: FP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature				Explanation of Condition , Rise (mm): 1600, Type: FP)
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :)				Explanation of Condition , Rise (mm): 1600, Type: FP)
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature				Explanation of Condition , Rise (mm): 1600, Type: FP)
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)			n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	22-May-2010 1600 1600 1600		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	22-May-2010		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	22-May-2010 1600 1600 1600		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	22-May-2010 1600 1600 0 0 1600 0 1600 0 1600 0 0 0 0 0 0 0 0 0 0 0 0		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	22-May-2010 1600 1600 1600		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	22-May-2010 1600 1600 0 1600 0 0 0 0 0 0 0 0 0 0 0 0		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N)	22-May-2010 1600 1600 0 0 1600 0 1600 0 1600 0 0 0 0 0 0 0 0 0 0 0 0		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate
(Pipe # : 3 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	22-May-2010 1600 1600 0 1600 0 0 0 0 0 0 0 0 0 0 0 0		n):	Explanation of Condition , Rise (mm): 1600, Type: FP) 1600mm CSP extensions- West pipe Estimate

		Bric	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 3, Secondary Span, I	_ocation Code: U/S,			, Rise (mm): 1600, Type: FP)
Longitudinal Seams			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			8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			7	
Baffle			Х	
(Type:)				
Waterway Adequacy			7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rat	ing		9	
		Bric		lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 3, Secondary Span, I	ocation Code: MAI			, Rise (mm): 1200, Type: SSP)
Barrel Last Accessible Date	22-May-2010			1200mm smooth wall steel pipe-West barrel
Special Features		I		
Special Feature				
(Type:)				
Special Feature				
opecial i caluic				
(Type :)				
			9	
(Туре:)			9	-
(Type :) Roof			9	
(Type :) Roof Measured Rise (mm)			9	
(Type :) Roof Measured Rise (mm) Measured At Ring No.			9	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)			9	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag			1	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall			1	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)			1	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.			1	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)			1	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection			9	- -
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)			9	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	0 0 0 0 0 0 0 0 0 0 0		9	
(Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.			9	Welded seams

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN,	Span (n	nm):	, Rise (mm): 1200, Type: SSP)
Longitudinal Seams			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			Х	Weathering steel
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			5	
Baffle			Х	
(Type:)			1	
Waterway Adequacy	I		7	
Icing (Y/N)	No			_
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			9	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)			
Direction		N		1600mm CSP extension- West pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			Х	
(Shape :)				
Cutoff Wall			X	
Bevel End			9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection			8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion			8	
Beavers (Y/N)	No			
Downstream End General Ration	ng		8	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)			
Direction		S		1600mm CSP extension- East pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			Х	
Collar			Х	
Wingwalls			Х	
(Shape :)			1	
Cutoff Wall			X	
Bevel End			9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection			8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			8	
Beavers (Y/N)	No			
Upstream End General Rating			8	
				lvert Barrel
Or all sends O a many a send of			N	Even law at law of O an alitican
Culvert Component	action Code: U/C. Cn	Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Lo				, Rise (mm): 1600, Type: FP)
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date	cation Code: U/S, Sp 22-May-2010			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features				, Rise (mm): 1600, Type: FP)
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature				, Rise (mm): 1600, Type: FP)
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features				, Rise (mm): 1600, Type: FP)
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature				, Rise (mm): 1600, Type: FP)
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :)				, Rise (mm): 1600, Type: FP)
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature				, Rise (mm): 1600, Type: FP)
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)			n):	, Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	22-May-2010		n):	, Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	22-May-2010		n):	, Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	22-May-2010		n):	, Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	22-May-2010		n):	, Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4 , Secondary Span , Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N)	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	22-May-2010		n):	Rise (mm): 1600, Type: FP) East pipe- 1600mm CSP extension Estimate

		Brid	lge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 4, Secondary Span, L	ocation Code: U/S,	Span (mn	n):	, Rise (mm): 1600, Type: FP)
Longitudinal Seams			Х	
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			8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			5	
Baffle			Х	
(Type :)				
Waterway Adequacy			7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rat	ing		9	
		Bric	lae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 4, Secondary Span, L	ocation Code: MAIN			, Rise (mm): 1200, Type: SSP)
		<u> </u>		
Barrel Last Accessible Date	22-May-2010			East pipe- 1200mm smooth wall steel pipe
	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Barrel Last Accessible Date Special Features Special Feature	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :)	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :)	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special FeaturesSpecial Feature(Type :)Special Feature(Type :)RoofMeasured Rise (mm)Measured At Ring No.Sag (mm)Percent SagSidewallMeasured At Ring No.Measured At Ring No.	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	22-May-2010			East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	22-May-2010		9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)			9	East pipe- 1200mm smooth wall steel pipe
Special FeaturesSpecial Feature(Type :)Special Feature(Type :)RoofMeasured Rise (mm)Measured At Ring No.Sag (mm)Percent SagSidewallMeasured At Ring No.Deflection (mm)Percent DeflectionFloorBulge (mm)Measured At Ring No.			9	East pipe- 1200mm smooth wall steel pipe
Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)			9	East pipe- 1200mm smooth wall steel pipe

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: SSP)
Longitudinal Seams			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			Х	Weathering steel
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy	1		5	
Baffle			Х	
(Type:)			_	
Waterway Adequacy	1		7	-
Icing (Y/N)	No			-
Silting (Y/N)	No			_
Drift (Y/N)	No			
Barrel General Rating			9	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)			
Direction		N		East pipe- 1600mm CSP extension
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			Х	
(Shape :)				
Cutoff Wall			Х	
Bevel End			9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection			8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion			8	
	Na			
Beavers (Y/N)	No			

		5	e Usage		
		Last	Now	Explanation of Condition	
Channel (U/S and D/S)					
Alignment		8	7	Local drainage area Farmers dugout 15m south and 20m east	
Bank Stability		8	8		
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	: NONE)				
(Fish Compensation Measure 2	: NONE)				
Channel General Rating		8	7		

			Mainte	nance Recommend	lations					
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3 2	2015	Line 1990- SPCSP							
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low)	22.2/33.	3 Sufficiency Ration (%)	ng (Last/Now)	50.0/58.2	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	ations in \$	SPCSP			Department Comments					
Maintenance Reviewed By					Date		E	stimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Tim Dav	vies		Previous	Assistant's Name					
Next Inspection Date	22-Aug-	-2013		Previous	Inspection Date	28-Feb-2007				
Inspection Cycle (Default) (months)	39									
Comment										