Duistava Eila Nicos					age e		Dection					
Bridge File Nun	nber	73580 -1 Bridge Culvert				Form	Form Type		CULM			
Year Built		1971				Lot No.			3			
Bridge or Town	Name	MORECAMBE				Inspe	ctor Name		Jason Saly			
Located Over		2ND ORDER TRIBUTARY TO VERMILION				N Inspe	ctor Class		BR CLS A			
		RIVER, 6.5.23.2, WATERCRS-ST				Assis	tant Name					
Located On	24	45:08 C	1 23.130	Assis	tant Class							
Water Body Cl.	/Year			Inspe	ction Date		22-Jan-2013					
Navigabil. Cl./Y	'ear				Data	Entry By		Marcia Chave	z			
Legal Land Loc	ation	SW SEC 16 TWP 54 RGE 10 W4N				Data	Entry Date	•	27-Feb-2013			
Longitude, Latit	tude	-111:25:26, 53:39:28				Revie	wer Name	•	John O'Brien			
Road Authority	-	Alberta	Transportatior	n (AIT)		Revie	w Date		13-Feb-2013			
Contract Main.	Area	CMA14				Dept.	Reviewer	Name	Chris Black			
Clear Roadway	/Skew	8.4 /				Dept.	Review Da	ate	14-Mar-2013			
AADT/Year		570 / 20	011 (A)			Follo	w-Up By					
Road Classifica	ation	RAU-20	9-110									
Detour Length	(km)	6										
Bridge Culvert	Inform	ation										
Number of Culv	/erts		4									
Pipe #	Barrel		Span	Rise (or Dia.)) Ty	ре	Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		1724	1901	MF	PE	21.3		68X13	3.5	ELLIPSE	
2	MAIN		-	900	MF	D	21.3		68X13	2.8	ROUND	
3	MAIN		-	900	MF	>	21.3		68X13	2.8	ROUND	
4	MAIN		-	900	M	>	21.3		68X13	2.8	ROUND	
Special Feature	es											
Special Feature	es Comr	nent										
						<i>(</i> 1 <i>(1 <i>(1 (1 (1 (1 <i>(1 (1 (1 <i>(1 (1 <i>(1 (1 <i>(1 (1 <i>(1 (1 <i>(1 (1 <i>(1 <i>(1 (1 <i>(1 (1 <i>(1 (1 <i>(1 <i>(1 <i>(1 <i>(1 <i>(1 <i>(1 <i>((1 <i>(1 <i>()) <i>((1 <i>()) <i>((1 <i>()) <i>((()) <i>(()) <i>() <i>(()) <i>() <i>(()) <i>() <i>(()) <i>() <i>(()) <i>() <i>(()) <i>() <i>() <i>(()) <i>() <i>() <i>() <i>()) <i>(()) <i>() <i>() <i>()) <i>(()) <i>() <i>()()) <i>() <i>()()) <i>() <i>()()) <i>() <i>()()) <i>() <i>()() <i>() <i>()()) <i>() <i>()()) <i>() <i>()() <i>() <i>()()) <i>() <i>()()) <i>() <i>()()) <i>() <i>()() <i>() <i>()()) <i>() <i>()()) <i>() <i>()() <i>()()) <i>() <i>()()) <i>() <i>()() <i>() <i>()() <i>()()) <i>() <i>()()) <i>() <i>()() <i>() <i>()()) <i>()</i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i>						
Utility Attachme	ents				<u>Junu</u>	es (Locate	d at)					
Telephone	Plowe						Gas 13m E		East of 1829mm culvert.			
	1 10000	d in Sou	in alich.			Gas		13m E	ast of 1829mr	n culvert.		
Power	5 wire	d in Sou OH 20n x 30m E	n North of c/l. 2 ast of 1829 dia	2 wire crosses	hwy	Gas Muni	cipal	13m E	ast of 1829mr	n culvert.		
Power Others	5 wire approx	d in Sou OH 20n x 30m Ea	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe.	hwy	Gas Muni Probl	cipal em (Y/N)	13m E No	ast of 1829mr	n culvert.		
Power Others Remarks	5 wire approx	d in Sou OH 20n x 30m Ei	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe.	hwy	Gas Muni Probl	cipal em (Y/N)	13m E No	ast of 1829mr	n culvert.		
Power Others Remarks	5 wire approx	d in Sou OH 20n x 30m Ei	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe. Appro	hwy ach F	Gas Muni Probl	cipal em (Y/N) bankment	13m E No	ast of 1829mr	n culvert.		
Power Others Remarks	5 wire approx	d in Sou OH 20n x 30m E	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe. Appro Las	hwy ach f	Gas Munie Probl Road / Em ow Expla	cipal em (Y/N) bankment	13m E No Condit	ast of 1829mr	n culvert.		
Power Others Remarks Horizontal Aligr	5 wire approx	d in Sou OH 20n x 30m Ei	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe. Appro Las 7	hwy ach f	Gas Muni Probl Road / Em ow Expla 7 Acce	cipal em (Y/N) bankment anation of ss road 30r	13m E No Condi t m East	ion of 2 East pipe	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm	5 wire approx	d in Sou OH 20n x 30m E	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe. Appro Las 7 7	hwy ach f	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8	cipal em (Y/N) bankment anation of ss road 30r Om East of	13m E No Condit East p	ast of 1829mr tion of 2 East pipes	n culvert.		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width	nment ent n(m)	d in Sou OH 20n x 30m Ei	n North of c/l. 2 ast of 1829 dia	2 wire crosses a pipe. Appro Las 7 7	hwy ach f	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8	cipal em (Y/N) bankment mation of ss road 30r Dm East of	13m E No Condit m East East p	ast of 1829mr tion of 2 East pipes	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment	nment ent n (m)	d in Sou OH 20n x 30m Ei	8.400	2 wire crosses a pipe. Appro Las 7 7 7 5	hwy ach f	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide	cipal em (Y/N) bankment anation of ss road 30r Dm East of transverse	13m E No Condit m East East p	ion of 2 East pipes ipes.	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (nment ent n (m)	d in Sou OH 20n x 30m Ei	8.400	2 wire crosses a pipe. Appro Las 7 7 7 5	hwy ach fi it No	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m	bankment bankment mation of ss road 30r Dm East of transverse cover on E on West p	13m E No Condif m East East p e crack ast 2 p	ion of 2 East pipes ipes. in roadway ove	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (nment ent n (m)	d in Sou OH 20n x 30m Ea	8.400	2 wire crosses a pipe. Appro Las 7 7 5	hwy ach fi it N	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow	cipal em (Y/N) bankment mation of ss road 30r Om East of transverse cover on E on West pi covered, b	13m E No Condit m East East p e crack ast 2 p ipe. but no s	ion of 2 East pipes ipes. in roadway ove ipes.	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (110wc 5 wire approx 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1	d in Sou OH 20n x 30m Ei	8.400	2 wire crosses a pipe. Las 7 7 5	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow	cipal em (Y/N) bankment mation of ss road 30r Om East of transverse cover on E on West pi covered, b	13m E No Condit m East East p e crack ast 2 p ipe. but no s	in roadway over in signs of proble	n culvert.		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (nment ent (m) _:1) ver(m) :	d in Sou OH 20n x 30m Ei 1)	8.400 3.0 No h General Ra	2 wire crosses a pipe. Las 7 7 5 5 5 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow 7	bankment anation of ss road 30r Dm East of transverse cover on E on West p r covered, b	13m E No Condit m East East p e crack East 2 p ipe. but no s	ast of 1829mr ition of 2 East pipes ipes. in roadway ove ipes. signs of proble	n culvert.		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (110wc 5 wire approx 1 10 1 10 1 10 1 10 1 10 1 10 1 10 1	d in Sou OH 20n x 30m Ei 1)	ast of 1829 dia 8.400 3.0 No nt General Ra	2 wire crosses a pipe. Appro Las 7 7 7 5 5 5 5	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow 7 7	bankment bankment anation of ss road 30r Dm East of transverse cover on E on West pi covered, b	13m E No Condif m East p East p East 2 p ipe. out no s	ast of 1829mr ion of 2 East pipes ipes. in roadway ove ipes. signs of proble	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (1 lowe 5 wire approx 5 wire approx 1 lowe ent 1 (m) _:1) ver(m) : id / Emb	d in Sou OH 20n x 30m Ea 1)	ast of 1829 dia 8.400 3.0 No nt General Ra	2 wire crosses a pipe. Las 7 7 5 5 ting 7 Las	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow 7 8tream Er ow Expla	bankment mation of ss road 30r 0m East of transverse cover on E on West pi covered, b	13m E No Condit m East East p ipe. but no s Condit	in roadway over ipes.	n culvert.		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (1 lowe 5 wire approx 5 wire approx 1 lowe 1 lowe	d in Sou OH 20n x 30m E: 1) 1) pankmei e: Prima	North of c/l. 2 ast of 1829 dia 8.400 3.0 No nt General Ra	2 wire crosses a pipe. Las 7 7 5 5 5 5 1 7 7 7 7 7 7 7 7 7 7 7 7 7	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow 7 7 Stream Er ow Expla	cipal em (Y/N) bankment anation of ss road 30r Dm East of transverse cover on E on West p or Overed, b covered, b	13m E No Condit m East East p but no s	ast of 1829mr of 2 East pipes ipes. in roadway ove ipes. signs of proble	n culvert.		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (1 lowe 5 wire approx 5 wire approx 1 1 1 1 1 1 1 1 1 1 1 1 1	d in Sou OH 20n x 30m Ei 1) 1) bankmei	 ast of 1829 dia 8.400 3.0 No nt General Ra ry Span) 	2 wire crosses a pipe. Las 7 7 5 5 5 5 5 1 7 7 7 7 7 5 5 1 7 7 7 7	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow 7 8 tream Er ow Expla	bankment bankment anation of ss road 30r Dm East of transverse cover on E on West pi covered, b	13m E No Condif m East p East p be crack East 2 p ipe. out no s Condif	ast of 1829mr of 2 East pipes ipes. in roadway ove ipes. signs of proble	n culvert.		
Power Others Remarks Horizontal Aligr Vertical Alignm Roadway Width Embankment Sideslope (1 lowe 5 wire approx 5 wire approx 1 1 1 1 1 1 1 1 1 1 1 1 1	d in Sou OH 20n x 30m Ea 1) bankmer e: Prima	North of c/l. 2 ast of 1829 dia 8.400 3.0 No nt General Ra ry Span)	2 wire crosses a pipe. Las 7 7 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	hwy	Gas Muni Probl Road / Em ow Expla 7 Acce 7 Hill 8 N Wide 1.1m 1.2m Snow 7 Stream Er ow Expla	bankment mation of ss road 30r Dm East of transverse cover on E on West pi covered, b	13m E No Condif m East p East 2 p ipe. but no s	ast of 1829mr tion of 2 East piper ipes. in roadway ove ipes. signs of proble	n culvert.		

	am End							
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Span Type: Primary	/ Span)							
Collar		Х	X					
Wingwalls		X	Х					
(Shape :)								
Cutoff Wall		Х	X					
Bevel End	400	5	N	(Bevel recently re-aligned. 05/Sept/2006). (Minor damage to bevel edges. 07Jun2011).				
Heaving (mm)	100							
Invert Above/Below Stream Bed	ABOVE			-				
Above/Below (mm)	150	7	N	(Well vegeteted 07 lup2011) Chevy severed				
		1	IN	(weil vegetated. 07Juli2011) - Show Covered.				
(Type : RIF RAF)								
(Avg. Rock Size(IIIII) . 150)		7	N	Show covered				
Scourrerosion		'		Show covered.				
Beavers (Y/N)	No							
Upstream End General Rating		5	N	GR was 5 from 07Jun2011.				
		Brio	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1724	, Rise (mm): 1901, Type: MPE)				
Barrel Last Accessible Date	07-Jun-2011			Thin ice with open water, entry not advisable; shape appears adequate.				
Special Features	1							
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		4	N	(Three main areas where roof plates have been dented & deformed				
Measured Rise (mm)				but no immediate concern warranted.				
Measured At Ring No.				(Dents in roof. 07Jun2011).				
Sag (mm)	51			(2.6%, 01Dec2004).				
Percent Sag	3							
Sidewall		4	N	(U/S span 1740. D/S 1715.				
Measured Span (mm)	1887			Numerous large dents in South wall. 07Jun2011).				
Measured At Ring No.	2							
Deflection (mm)	163			(9.4%, 07Jun2011).				
Percent Deflection	9			······································				
Floor		N	N	(Water/silt covered. 07Jun2011).				
Bulge (mm)	0]				
Measured At Ring No.								
Abrasion (Y/N)	No							
				(03/03/25).				
Circumferential Seams		5	N	(Wide gaps, no infiltration, couplers in place. 07Jun2011).				
Separation (mm)	75							

Bridge Culvert Barrel									
Culvert Component	Component			Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Sp	an (mm): 1724	, Rise (mm): 1901, Type: MPE)					
Longitudinal Seams		5	N	(Annular type CSP with rivetted seams. 07Jun2011).					
Total No. of Cracked Rings									
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)									
Coating		5	N	(Galvanize gone on bottom, pitting started. Rating based on					
Corrosion By Soil (Y/N)				sidewall/roof coating only. 0/Jun2011).					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		7	N						
Baffle		Х	Х						
(Type :)			1						
Waterway Adequacy		7	N						
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		4	4	GR was carried forward from 07Jun2011.					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	^r Span)								
Direction		S							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	Х						
Collar		X	Х						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall		X	X						
Bevel End		5	N	(Minor damage to bevel East side, pushed out 100mm. 07Jun2011) -					
Heaving (mm)	100			Snow covered.					
Invert Above/Below Stream Bed	BELOW			(03/03/25)					
Above/Below (mm)	300								
Scour Protection		5	N	(Some rock. 07Jun2011) - Snow covered.					
(Type : NATURAL)									
(Avg. Rock Size(mm) :)									
Scour/Erosion		5	N	Snow covered.					
Beavers (Y/N)	No								
Downstream End General Ratir	ng	5	N	GR was 5 from 07Jun2011.					

Upstream End								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	ary Span)							
Direction		Ν		(142m West of 1829. 07Jun2011).				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	X					
Wingwalls		Х	Х					
(Shape :)			1					
Cutoff Wall		Х	X					
Bevel End		Ν	N	(Heaving starts 2-3m in from bevel. 09/Sept/2006).				
Heaving (mm)	400			(Opening grated; covered by vegetation. 07Jun2011) - Snow covered.				
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	150							
Scour Protection		5	N	Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 150)								
Scour/Erosion		5	N	Snow covered.				
Beavers (Y/N)	Yes			(U/S of pipe. 07Jun2011).				
Upstream End General Rating		3	3	GR carried forward since 09Sep2006.				
	1	Bric	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
Culvert Component (Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP)				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date	cation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	cation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	ocation Code: MAIN, S	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof	ocation Code: MAIN, S	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed.				
Culvert Component (Pipe # : 2, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	ocation Code: MAIN, S	Last pan (n	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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.	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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)	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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)	ecation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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.	ecation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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)	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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	Pocation Code: MAIN, S	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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	Pocation Code: MAIN, S	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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 Pulse (mst)	Potation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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 Floor Bulge (mm)	Procession Code: MAIN, S Image: Contract of the second	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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.	Preation Code: MAIN, S Press Press <t< td=""><td>Last pan (r</td><td>Now nm): N</td><td>Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).</td></t<>	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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. Abrasion (Y/N)	Pcation Code: MAIN, S	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				
Culvert Component (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 Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams	Procation Code: MAIN, S Processor Processor <t< td=""><td>Last pan (r</td><td>Now nm): N</td><td>Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).</td></t<>	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) Three 900 mm CSP's located 142m West of 1829. Pipe covered by snow, not viewed. (Mower damage to crown. 07Jun2011).				

	Bridge Culvert Barrel									
Culvert Component	Last No		Now	w Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 900, Type: MP)						
Longitudinal Seams	1	X	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		N	N	(Viewed from ends. Some soil corrosion as well. 07Jun2011).						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		Х	X							
Baffle		Х	Х							
(Type:)			_							
Waterway Adequacy		4	N	(Flow hampered by drift @ North opening. 07Jun2011).						
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	Yes									
Barrel General Rating		3	3	GR carried over since 09Sep2006.						
-		-	-	· ·						
		י ח	ownstr	eam End						
Culvert Component		D	ownstr	ream End Explanation of Condition						
Culvert Component (Pipe # : 2, Span Type: Second	ary Span)	D Last	ownstr Now	eam End Explanation of Condition						
Culvert Component (Pipe # : 2, Span Type: Second Direction	ary Span)	D Last S	Now	eam End Explanation of Condition (West pipe 142m West of 1829, 07Jun2011),						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None)	ary Span) STEEL	D Last S	ownstr Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011).						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall	ary Span) STEEL	Last S X	Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011).						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar	ary Span) STEEL	D Last S X X	Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011).						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls	ary Span) STEEL	Last S X X X	ownstr Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011).						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :)	ary Span) STEEL	D Last S X X X X	Now Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011).						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall	ary Span) STEEL	Last S X X X X	Now X X X X	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011).						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End	ary Span) STEEL	Last S X X X X X	ownstr Now X X X X	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (Minor mower damage to bevel. Hole in roof. 07Jun2011) - Snow						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm)	ary Span) STEEL	D Last X X X X X 4	Image: Construction of the second sec	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (Winor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered.						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed	ary Span) STEEL 0 ABOVE	Last S X X X X X 4	ownstr Now X X X X	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (West pipe addition) (West pipe 142m West of 1829. 07Jun2011). (Minor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered.						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm)	ary Span) STEEL 0 ABOVE 300	D Last S X X X X X 4	ownstr Now X X X X	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (West pipe addition) (Minor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered.						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection	ary Span) STEEL 0 ABOVE 300	Last S X X X X X 4 4	Now Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (Winor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered. (Bevel perched. Riprap under bevel. 07Jun2011) - Snow covered.						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL)	ary Span) STEEL 0 ABOVE 300	Last S X X X X A 4 A A A	Winstr Now X X X X X N	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (West pipe 142m West of 1829. 07Jun2011). (Winor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered. (Bevel perched. Riprap under bevel. 07Jun2011) - Snow covered.						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :)	ary Span) STEEL 0 ABOVE 300	D Last S X X X X X 4 4	ownstr Now	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (West pipe 142m West of 1829. 07Jun2011). (Winor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered. (Bevel perched. Riprap under bevel. 07Jun2011) - Snow covered.						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :) Scour/Erosion	ary Span) STEEL 0 ABOVE 300	Last S X X X X A 4 A 4 A	Winstr Now X X X X X N N N N	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (West pipe 142m West of 1829. 07Jun2011). (Minor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered. (Bevel perched. Riprap under bevel. 07Jun2011) - Snow covered. (Channel about 0.9m below the d/s invert. 07Jun2011) - Snow						
Culvert Component (Pipe # : 2, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :) Scour/Erosion Beavers (Y/N)	ary Span) STEEL 0 ABOVE 300	D Last S X X X X X 4 4 4	Image: own strict Now Image: own strict	eam End Explanation of Condition (West pipe 142m West of 1829. 07Jun2011). (Winor mower damage to bevel. Hole in roof. 07Jun2011) - Snow covered. (Bevel perched. Riprap under bevel. 07Jun2011) - Snow covered. (Channel about 0.9m below the d/s invert. 07Jun2011) - Snow						

			Upstre	am End				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 3, Span Type: Second	lary Span)							
Direction		N		(Pipe 167m East of 1829. 07Jun2011).				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		6	N	(Overgrown with vegetation. 07Jun2011) - Snow covered.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100							
Scour Protection		7	N	(Well vegetated. 07Jun2011) - Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 150)								
Scour/Erosion		7	N	Snow covered.				
Beavers (Y/N)	No							
Upstream End General Rating		6	N	GR was 6 from 07Jun2011.				
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
Culvert Component (Pipe # : 3, Secondary Span, Lo	ocation Code: MAIN, S	Last pan (r	Now mm):	Explanation of Condition , Rise (mm): 900, Type: MP)				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date	ocation Code: MAIN, S	Last pan (r	Now mm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :)	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)	ocation Code: MAIN, S	Last pan (r	Now mm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed.				
Culvert Component (Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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.	ocation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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)	pcation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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	pcation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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	pcation Code: MAIN, S	Last pan (r	Now nm): 	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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)	pcation Code: MAIN, S	Last pan (r	Now nm): 	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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.	pcation Code: MAIN, S	Last pan (r	Now nm): N N	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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)	pcation Code: MAIN, S	Last pan (r	Now nm): N	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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	pcation Code: MAIN, S	Last pan (r	Now nm): 	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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	pcation Code: MAIN, S	Last pan (r	Now mm): N N	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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)	pcation Code: MAIN, S	Last pan (r	Now nm): N N	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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)	pcation Code: MAIN, S	Last pan (r	Now nm): 	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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.	pcation Code: MAIN, S	Last pan (r	Now mm): N N	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011). (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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. Abrasion (Y/N)	pcation Code: MAIN, S	Last pan (r	Now nm):	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				
Culvert Component (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) Circumferential Seams	pcation Code: MAIN, S	Last pan (r	Now mm): 	Explanation of Condition , Rise (mm): 900, Type: MP) (To small to enter, confined space. 07Jun2011). Snow covered completely; not viewed. (Roof sagged locally 10m from ends. 07Jun2011).				

		Brio	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 900, Type: MP)
Longitudinal Seams	1	X	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		5	N	(Some soil side. Superficial @ sidewall. 07Jun2011).
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Туре:)				
Waterway Adequacy		5	N	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	GR previously rated "5" from 09Sept2006.
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	ary Span)			
Direction		S		(Pipe 167m East of 1829. 07Jun2011).
End Treatment (Concrete, Steel, Others, None)	STEEL		_	
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	X	
(Shape :)				
Cutoff Wall		Х	Х	
Bevel End		6	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100		_	
Scour Protection		7	N	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7	N	
Beavers (Y/N)				
	No			

			Upstre	eam End				
Culvert Component	Last Now		Now	Explanation of Condition				
(Pipe # : 4, Span Type: Secondary Span)								
Direction	Direction			(Pipe 175m East of 1829. 07Jun2011).				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	X					
Collar		Х	X					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End	1	6	N					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			-				
Above/Below (mm)	100							
Scour Protection		7	N					
(Type : RIP RAP)				-				
(Avg. Rock Size(mm) : 150)								
Scour/Erosion		7	N					
Beavers (Y/N)	No							
Upstream End General Rating		6	N	GR was 6 from 07Jun2011.				
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 4, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 900, Type: MP)				
Barrel Last Accessible Date				(175m E of 1829. 07Jun2011). (Not accessible, too small; shape appears adequate. 07Jun2011). Snow covered, not viewed.				
Special Features								
Special Feature								
(Type :)								
Special Feature								
(Type :)								
Roof		N	N					
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)								
Percent Sag								
Sidewall		N	N					
Measured Span (mm)								
Measured At Ring No.								
Deflection (mm)								
Percent Deflection								
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		N	N					
			1.1					
Separation (mm)								

		Bri	dge Cu	
Culvert Component			Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Lo	ocation Code: MAIN,	<u>Span (</u>	<u>mm):</u>	, Rise (mm): 900, Type: MP)
Longitudinal Seams	1	X	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		5	N	(Superficial, viewed from ends. 07Jun2011).
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy	1	Х	X	
Baffle		X	Х	
(Type:)			_	
Waterway Adequacy	1	5	N	
Icing (Y/N)	No			-
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Pating		N	N	GR proviously rated "5" from 00Sapt2006
Barrer General Katilig			IN	Gr previously rated 5 from 093ept2000.
			N Downsti	eam End
Culvert Component		Last	Downsti Now	eam End Explanation of Condition
Culvert Component (Pipe # : 4, Span Type: Second	lary Span)	Last	Now	eam End Explanation of Condition
Culvert Component (Pipe # : 4, Span Type: Second Direction	lary Span)	Last	Now	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None)	lary Span) STEEL	Last	Now	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall	lary Span) STEEL	Last S X	Now Now	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar	lary Span) STEEL	Last S X X	N Downstr Now	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls	lary Span) STEEL	Last S X X X X	N Now X X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :)	lary Span) STEEL	Last S X X X X	N Downsti Now X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall	lary Span) STEEL	Last S X X X X	N Now X X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011).
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End	lary Span) STEEL	Last S X X X X X X	N Now X X X X X X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered.
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm)	ary Span) STEEL	Last Last X X X X A A A A A A	N Now X X X X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered.
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed	ary Span) STEEL 0 ABOVE	Last S X X X X A A A A A A	N Now X X X X X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered.
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm)	ABOVE 100	K Last S X X X X A C X A	N Now X X X X X X	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered.
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection	Aary Span) STEEL 0 ABOVE 100	K Last S X X X X X A C X X X A C X T X T T T T	N Now X X X X X X X X N	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered. Snow covered.
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Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :)	Aary Span) STEEL	K Last S X X X X A Image: Constraint of the second secon	N Now X X X X X X X X N	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered. Snow covered.
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :) Scour/Erosion	Aary Span) STEEL 0 ABOVE 100	K Last S X X X X A	N Now X X X X X X X X N V N	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered. Snow covered. Snow covered.
Culvert Component (Pipe # : 4, Span Type: Second Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape :) Cutoff Wall Bevel End Heaving (mm) Invert Above/Below Stream Bed Above/Below (mm) Scour Protection (Type : NATURAL) (Avg. Rock Size(mm) :) Scour/Erosion Beavers (Y/N)	Aary Span) STEEL	K Last S X X X X X 1 7 7	N Now X X X X X X X X X X N V N	eam End Explanation of Condition (Pipe 175m East of 1829mm. 07Jun2011). Snow covered. Snow covered. Snow covered.

	re Usage								
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	N	(U/S & D/S channel has been reworked on 900mm pipe West of 1800mm pipe, & also on 1800mm pipe. 09/June/2008). Pipes completely submerges.					
Bank Stability		7	N	(Stable. 07Jun2011).					
HWM (m below Top of Culvert)	VM (m below Top of Culvert)			HWM not visible.					
Drift (Y/N)	Yes			(Minor U/S of 1829. 07Jun2011).					
Channel Bottom Degrading/Aggrading				(Beaver dams u/s of pipes 1 & 2. 07Jun2011).					
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		7	7	GR carried forward from 07Jun2011.					

					Maintenance I	Recommend	lations						
Inspector Recomm	nendations	Year Inspector Comments					Department Cor	nmen	ts		Target Year	Est. Cost	Cat #
SHOTCRETE RE	PAIRS												
PLACE ADDITION	ACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION												
INSTALL CONCR	ETE/STEEL LINING												
INSTALL STRUTS	5												
INSTALL CONCR	ETE COLLAR/CUTC	DFF											
REPAIR SEAMS													
OTHER ACTION		20	2013	Remove done.	beaver dam u/s of pipe 1,	, if not yet							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condi (%)	tion Rating (Last/No	ow) 3	33.3/33.3	3 Sufficiency Rating (Last/Now) (%)			40.7/56.2	Est	t. Repl. Yr	2019	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	The three 900 dia. p Continue regular cra	bipes shou ack sealin	uld not l ng practi	be part of ices.	this site (1724x1901)??		Department Comments						
Maintenance Rev	iewed By						Date			E	Estimated Total	0	
Proposed Long-T	erm Strategy	Culverts	should	be adequ	ate until 2021. CB								
On 3-Year Progra	m (Y/N)												
Proposed Action													
Previous Inspecto	r's Name	Jason Sa	aly			Previous	Assistant's Name						
Next Inspection D	ate	22-Oct-2	2014			Previous	Inspection Date		07-Jun-2011				
Inspection Cycle (Default) (months)	21											
Comment													