

																																STATE	PROJECT NUMBER		SHEET NO.	TOTAL SHEETS					
																																GA.									
S	H	APRON QUANTITIES FOR CONCRETE BOX CULVERTS																														H	S								
		SINGLE - 90 °			SINGLE - 75 °			SINGLE - 60 °			SINGLE - 45 °			DOUBLE - 90°			DOUBLE 75°			DOUBLE 60°			DOUBLE 45°			TRIPLE 90°			TRIPLE 75°						TRIPLE 60°			TRIPLE 45°			
		W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL	W (FT.)	CU.YDS. CONC.	LBS. STEEL				W (FT.)	CU.YDS. CONC.	LBS. STEEL				
4'	4	13.183	1.70	138	14.468	1.91	155	16.469	2.28	183	23.238	3.17	249	17.800	2.59	202	19.297	2.87	223	21.828	3.42	264	29.850	4.67	351	22.466	3.48	266	24.125	3.83	292	27.198	4.56	346	36.415	5.92	447	4	4'		
	5	15.000	2.23	173	16.458	2.49	193	19.025	2.96	228	25.958	3.97	300	19.600	3.16	243	21.280	3.51	270	24.380	4.26	327	33.250	5.45	408	-	-	-	-	-	-	-	-	-	-	-	5				
	6	16.733	2.57	202	18.318	2.86	226	21.091	3.47	271	29.387	4.72	364	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					
5'	4	14.183	1.89	152	15.502	2.11	169	17.616	2.52	200	24.648	3.46	271	19.800	2.97	230	21.366	3.28	253	24.129	3.91	299	32.649	5.13	390	25.466	4.06	308	27.230	4.44	337	30.654	5.29	399	40.654	6.80			510	4	5'
	5	15.983	2.34	185	17.487	2.62	207	20.171	3.19	249	28.002	4.31	333	21.600	3.54	271	23.352	3.92	300	26.678	4.75	362	36.003	6.19	468	27.266	4.75	358	29.216	5.22	394	33.198	6.32	475	44.007	8.06		603	5		
	6	17.783	2.80	219	19.353	3.12	244	22.236	3.77	293	30.798	5.08	390	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6				
6'	4	15.183	2.09	166	16.537	2.32	184	18.763	2.77	218	26.060	3.76	292	21.800	3.35	257	23.436	3.69	282	26.431	4.40	335	35.474	5.72	433	28.466	4.63	349	30.336	5.06	381	34.111	6.02	451	44.893	7.69	574		4		6'
	5	16.983	2.55	200	18.521	2.84	223	21.318	3.46	269	29.414	4.64	357	23.683	3.98	303	25.508	4.40	334	29.074	5.33	404	38.945	6.88	518	30.433	5.43	407	32.495	5.95	446	36.846	7.20	538	48.483	9.11	679		5		
	6	18.783	3.05	238	20.388	3.37	262	23.382	4.08	315	32.209	5.44	416	25.483	4.63	351	27.373	5.07	384	31.134	6.13	462	41.740	7.88	592	32.233	6.23	466	34.360	6.77	506	38.903	8.17	609	51.277	10.33	767	6			
7'	4	17.933	2.75	215	18.173	2.69	211	21.285	3.36	261	29.037	4.44	341	25.766	4.43	335	26.280	4.36	331	30.281	5.39	407	40.097	6.86	516	33.600	6.11	456	34.388	6.03	451	39.301	7.43	554	51.165	9.29	690	4			7'
	5	19.733	3.28	253	20.158	3.25	253	23.447	4.03	310	31.943	5.30	405	27.566	5.13	387	28.266	5.11	386	32.447	6.29	473	43.006	7.99	598	35.400	6.98	520	36.374	6.97	520	41.468	8.55	636	54.076	10.68	792	5			
	6	21.533	3.84	295	21.845	3.75	289	25.414	4.63	355	34.627	6.07	463	29.366	5.87	441	29.950	5.76	434	34.403	7.08	531	45.686	8.98	672	37.200	7.89	586	38.058	7.77	579	43.416	9.54	708	56.754	11.89	881	6			
8'	7	23.333	4.44	339	24.551	4.64	355	28.559	5.73	436	39.099	7.55	572	31.166	6.64	498	32.658	6.91	518	37.547	8.51	636	50.158	10.84	808	39.000	8.84	656	40.765	9.18	682	46.558	11.29	836	61.225	14.13	1045	7			8'
	4	18.933	2.97	230	19.450	2.96	231	22.431	3.62	280	31.463	4.96	379	27.766	4.86	366	28.590	4.86	367	32.583	5.91	445	43.366	7.60	569	36.600	6.75	502	37.733	6.76	504	42.758	8.21	610	55.847	10.37	768	4			
	5	20.733	3.51	270	21.374	3.54	273	24.987	4.41	338	33.802	5.74	437	29.566	5.60	420	30.516	5.65	425	35.131	7.00	524	46.275	8.80	657	38.400	7.69	571	39.659	7.76	577	45.301	9.58	717	58.758	11.86	877	5			
9'	6	22.533	4.10	314	23.299	4.16	319	27.149	5.17	394	36.709	6.71	509	31.366	6.38	478	32.442	6.48	486	37.297	8.01	598	49.185	10.07	750	40.200	8.67	642	41.586	8.80	653	47.468	10.85	803	61.669	13.43	991	6			8'
	7	24.333	4.72	360	25.830	5.00	381	30.101	6.19	470	40.959	8.08	610	33.166	7.21	538	34.970	7.58	567	40.232	9.36	698	53.428	11.82	879	42.000	9.69	716	41.111	9.98	740	50.392	12.52	925	65.907	15.56	1148	7			
	8	26.133	5.39	409	27.752	5.72	434	32.262	7.07	535	43.865	9.21	693	35.133	8.12	605	37.067	8.56	639	42.589	10.56	785	56.573	13.32	989	44.133	10.85	801	46.382	11.41	843	52.942	14.04	1036	69.288	17.44	1284	8			
9'	4	20.533	3.36	259	20.904	3.31	256	24.170	4.08	314	32.978	5.39	411	30.366	5.54	416	31.082	5.49	412	35.481	6.72	503	46.865	8.56	638	40.200	7.72	572	41.261	7.66	569	46.814	9.36	693	60.762	11.73	866	4			9'
	5	22.333	3.95	302	22.409	3.78	290	26.133	4.70	359	35.214	6.08	462	32.166	6.34	474	32.586	6.13	459	37.432	7.58	566	49.101	9.49	707	42.000	8.74	647	42.765	8.48	628	48.757	10.46	773	62.998	12.90	952	5			
	6	24.133	4.57	348	24.514	4.47	342	28.296	5.49	417	38.568	7.20	544	33.966	7.18	536	34.692	7.07																							