CRONOGRAMA - LOTE 1

ITEM	DESCRIPCION	UND	CANT	VR UNITARIO	VR TOTAL	1 semana	2 semana	3 semana	4 semana	5 semana	6 semana	7 semana	8 semana	9 semana	10 semana	11 semana	12 semana	13 semana	14 semana
1,1	Localizacion y replanteo	M2	4091,8300	$ 2.850,00	$ 11.661.716,00		175,000	175,000	175,000	175,000			484,547	484,547	484,547	484,547	484,547	484,547	484,547
							$ 498.750,00	$ 498.750,00	$ 498.750,00	$ 498.750,00			$ 1.380.959,00	$ 1.380.959,00	$ 1.380.959,00	$ 1.380.959,00	$ 1.380.959,00	$ 1.380.959,00	$ 1.380.962,00
							4,28%	4,28%	4,28%	4,28%			11,84%	11,84%	11,84%	11,84%	11,84%	11,84%	11,84%
2,1	Corte de pavimento	ML	1113,0000	$ 3.958,00	$ 4.405.254,00		120,000	120,000	120,000	120,000			90,429	90,429	90,429	90,429	90,429	90,429	90,429
							$ 474.960,00	$ 474.960,00	$ 474.960,00	$ 474.960,00			$ 357.916,00	$ 357.916,00	$ 357.916,00	$ 357.916,00	$ 357.916,00	$ 357.916,00	$ 357.918,00
							10,78%	10,78%	10,78%	10,78%			8,12%	8,12%	8,12%	8,12%	8,12%	8,12%	8,12%
2,2	Demolicion de Pavimento	M2	4091,8300	$ 20.240,00	$ 82.818.639,00		172,000	172,000	172,000	172,000			486,261	486,261	486,261	486,261	486,261	486,261	486,261
							$ 3.481.280,00	$ 3.481.280,00	$ 3.481.280,00	$ 3.481.280,00			$ 9.841.931,00	$ 9.841.931,00	$ 9.841.931,00	$ 9.841.931,00	$ 9.841.931,00	$ 9.841.931,00	$ 9.841.933,00
							4,20%	4,20%	4,20%	4,20%			11,88%	11,88%	11,88%	11,88%	11,88%	11,88%	11,88%
2,3	Excavacion mecanica sin clasificar	M3	859,0010	$ 13.967,00	$ 11.997.667,00		41,000	41,000	41,000	41,000			99,286	99,286	99,286	99,286	99,286	99,286	99,286
							$ 572.647,00	$ 572.647,00	$ 572.647,00	$ 572.647,00			$ 1.386.726,00	$ 1.386.726,00	$ 1.386.726,00	$ 1.386.726,00	$ 1.386.726,00	$ 1.386.726,00	$ 1.386.723,00
							4,77%	4,77%	4,77%	4,77%			11,56%	11,56%	11,56%	11,56%	11,56%	11,56%	11,56%
3,1	Instalacion de Sub base granular para mantenimiento	M3	60,9525	$ 139.903,00	$ 8.527.438,00		3,000	3,000	4,000	5,000			6,565	6,565	6,565	6,565	6,565	6,565	6,565
							$ 419.709,00	$ 419.709,00	$ 559.612,00	$ 699.515,00			$ 918.413,00	$ 918.413,00	$ 918.413,00	$ 918.413,00	$ 918.413,00	$ 918.413,00	$ 918.415,00
							4,92%	4,92%	6,56%	8,20%			10,77%	10,77%	10,77%	10,77%	10,77%	10,77%	10,77%
3,2	Instalacion de Base Granular para Reparcheos	M3	9,2500	$ 111.129,00	$ 1.027.943,00								1,321	1,321	1,321	1,321	1,321	1,321	1,321
													$ 146.849,00	$ 146.849,00	$ 146.849,00	$ 146.849,00	$ 146.849,00	$ 146.849,00	$ 146.849,00
													14,29%	14,29%	14,29%	14,29%	14,29%	14,29%	14,29%
3,3	Instalacion de Base Granular para construccion	M3	346,0930	$ 123.343,00	$ 42.688.149,00		27,000	26,000	26,000	25,000			34,585	34,585	34,585	34,585	34,585	34,585	34,585
							$ 3.330.261,00	$ 3.206.918,00	$ 3.206.918,00	$ 3.083.575,00			$ 4.265.782,00	$ 4.265.782,00	$ 4.265.782,00	$ 4.265.782,00	$ 4.265.782,00	$ 4.265.782,00	$ 4.265.785,00
							7,80%	7,51%	7,51%	7,22%			9,99%	9,99%	9,99%	9,99%	9,99%	9,99%	9,99%
4,1	Imprimacion de riego de liga	M2	3685,4800	$ 2.932,00	$ 10.805.827,00			24,000	24,000	24,000						903,370	903,370	903,370	903,370
								$ 70.368,00	$ 70.368,00	$ 70.368,00						$ 2.648.681,00	$ 2.648.681,00	$ 2.648.681,00	$ 2.648.680,00
								0,65%	0,65%	0,65%						24,51%	24,51%	24,51%	24,51%
4,2	Imprimacion de emulsion	M2	3685,4800	$ 4.199,00	$ 15.475.331,00			222,000	222,000	222,000						754,870	754,870	754,870	754,870
								$ 932.178,00	$ 932.178,00	$ 932.178,00						$ 3.169.699,00	$ 3.169.699,00	$ 3.169.699,00	$ 3.169.700,00
								6,02%	6,02%	6,02%						20,48%	20,48%	20,48%	20,48%
4,3	Suministro e Instalacion de MDC-19	M3	368,5480	$ 675.659,00	$ 249.012.773,00			17,000	17,000	17,000						79,387	79,387	79,387	79,387
								$ 11.486.203,00	$ 11.486.203,00	$ 11.486.203,00						$ 53.638.541,00	$ 53.638.541,00	$ 53.638.541,00	$ 53.638.541,00
								4,61%	4,61%	4,61%						21,54%	21,54%	21,54%	21,54%
4.4	Sello de grietas asfalto	ML	20.0000	$ 11.245,00	$ 224.900,00											5,000	5,000	5,000	5,000
																$ 56.225,00	$ 56.225,00	$ 56.225,00	$ 56.225,00
																25,00%	25,00%	25,00%	25,00%
4,5	Suministro e instalcion de concreto MR 38	M3	60,9525	$ 522.447,00	$ 31.844.451,00											15,238	15,238	15,238	15,238
																$ 7.961.113,00	$ 7.961.113,00	$ 7.961.113,00	$ 7.961.112,00
																25,00%	25,00%	25,00%	25,00%
4,6	Acero de refuerzo Fy 420 Mpa	Kg	900,6000	$ 10.019,00	$ 9.023.111,00											225,150	225,150	225,150	225,150
																$ 2.255.778,00	$ 2.255.778,00	$ 2.255.778,00	$ 2.255.777,00
																25,00%	25,00%	25,00%	25,00%
4,7	Corte de juntas de pavimento	ML	237,0000	$ 5.844,00	$ 1.385.028,00											59,250	59,250	59,250	59,250
																$ 346.257,00	$ 346.257,00	$ 346.257,00	$ 346.257,00
																25,00%	25,00%	25,00%	25,00%
4,8	Sellado de Juntas	ML	237,9578	$ 10.514,00	$ 2.501.889,00											59,489	59,489	59,489	59,489
																$ 625.472,00	$ 625.472,00	$ 625.472,00	$ 625.473,00
																25,00%	25,00%	25,00%	25,00%
4,9	Geomalla en fibra de vidrio	M2	60,0000	$ 17.133,00	$ 1.027.980,00										12,000	12,000	12,000	12,000	12,000
															$ 205.596,00	$ 205.596,00	$ 205.596,00	$ 205.596,00	$ 205.596,00
															20,00%	20,00%	20,00%	20,00%	20,00%
5,1	Demarcacion vial Linea continua y discontinua	ML	870,0000	$ 2.909,00	$ 2.530.830,00										174,000	174,000	174,000	174,000	174,000
															$ 506.166,00	$ 506.166,00	$ 506.166,00	$ 506.166,00	$ 506.166,00
															20,00%	20,00%	20,00%	20,00%	20,00%
5,2	Demarcacion vial, cebras, flechas, senderos.	M2	150,0000	$ 31.407,00	$ 4.711.050,00										30,000	30,000	30,000	30,000	30,000
															$ 942.210,00	$ 942.210,00	$ 942.210,00	$ 942.210,00	$ 942.210,00
															20,00%	20,00%	20,00%	20,00%	20,00%
6,1	Retiro de sobrantes	M3	902,4010	$ 30.568,00	$ 27.584.594,00		57,000	57,000	57,000	57,000			96,343	96,343	96,343	96,343	96,343	96,343	96,343
							$ 1.742.376,00	$ 1.742.376,00	$ 1.742.376,00	$ 1.742.376,00			$ 2.945.013,00	$ 2.945.013,00	$ 2.945.013,00	$ 2.945.013,00	$ 2.945.013,00	$ 2.945.013,00	$ 2.945.012,00
							6,32%	6,32%	6,32%	6,32%			10,68%	10,68%	10,68%	10,68%	10,68%	10,68%	10,68%
7,1	Realce de pozos incluye demolicion	und	10.0000	$ 339.635,00	$ 3.396.350,00								2,000	2,000	2,000	2,000	2,000		
													$ 679.270,00	$ 679.270,00	$ 679.270,00	$ 679.270,00	$ 679.270,00		
													20,00%	20,00%	20,00%	20,00%	20,00%		
ANEXO COMPONENTE	COMPONENTE SST	GLB	1,00	$ 12.402.000,00	$ 12.402.000,00														
							$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55			$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55	$ 1.127.454,55
							9,09%	9,09%	9,09%	9,09%			9,09%	9,09%	9,09%	9,09%	9,09%	9,09%	9,09%
ANEXO COMPONENTE	COMPONENTE AMBIENTAL	GLB	1,00	$ 3.949.760,00	$ 3.949.760,00														
							$ 359.069,09	$ 359.069,09	$ 359.069,09	$ 359.069,09			$ 359.069,09	$ 359.069,09	$ 359.069,09	$ 359.069,09	$ 359.069,09	$ 359.069,09	$ 359.069,09
							9,09%	9,09%	9,09%	9,09%			9,09%	9,09%	9,09%	9,09%	9,09%	9,09%	9,09%
ANEXO	PLAN DE MANEJO DE TRANSITO	GLB	1,00	$ 7.862.785,00	$ 7.862.785,00														
							$ 714.798,64	$ 714.798,64	$ 714.798,64	$ 714.798,64			$ 714.798,64	$ 714.798,64	$ 714.798,64	$ 714.798,64	$ 714.798,64	$ 714.798,64	$ 714.798,64
							9,09%	9,09%	9,09%	9,09%			9,09%	9,09%	9,09%	9,09%	9,09%	9,09%	9,09%
ANEXO	COMPONENTE SIG	GLB	1,00	$ 1.600.000,00	$ 1.600.000,00														
							$ 145.454,55	$ 145.454,55	$ 145.454,55	$ 145.454,55			$ 145.454,55	$ 145.454,55	$ 145.454,55	$ 145.454,55	$ 145.454,55	$ 145.454,55	$ 145.454,55
							9,09%	9,09%	9,09%	9,09%			9,09%	9,09%	9,09%	9,09%	9,09%	9,09%	9,09%
	DIAGNOSTICO IVA 19% INCLUIDO		1,00	$ 11.227.293,00	$ 11.227.293,00														
						##########	$ 6.736.375,80												
						40%	60%												
			COSTO TOTAL		$ 559.692.758,00														
				FLUJO DE CAJA POR SEMANA		##########	$ 19.603.135,62	$ 25.232.165,82	$ 25.372.068,82	$ 25.388.628,82	$ 0,00	$ 0,00	$ 24.269.635,82	$ 24.269.635,82	$ 25.923.607,82	$ 96.625.373,82	$ 96.625.373,82	$ 95.946.103,82	$ 95.946.110,82
				FLUJO DE CAJA ACUMULADO		$ 4.490.918	$ 24.094.053	$ 49.326.219	$ 74.698.288	$ 100.086.917	$ 100.086.917	$ 100.086.917	$ 124.356.552	$ 148.626.188	$ 174.549.796	$ 271.175.170	$ 367.800.544	$ 463.746.648	$ 559.692.758
				AVANCE SEMANAL		0,80%	3,50%	4,51%	4,53%	4,54%	0,00%	0,00%	4,34%	4,34%	4,63%	17,26%	17,26%	17,14%	17,14%
				AVANCE ACUMULADO		0,80%	4,30%	8,81%	13,35%	17,88%	17,88%	17,88%	22,22%	26,55%	31,19%	48,45%	65,71%	82,86%	100,00%

FABIAN ALBERTO PRATO DUARTE
R/L INGPRA S.A.S

KERLY GIOVANNA CUELLAR OBREGÓN
ARA INGENIERIA S.A.S