ANEXO A

CONTRATACIÓN DE EMPRESAS CONSTRUCTORAS PARA LA REHABILITACIÓN DEL TRAMO PILAR – GENERAL DIAZ ID Nº 366249

LOTE 1					PRECIO REFERENCIAL		TECNOEDIL S.A. CONSTRUCTORA		LOS TRIGALES S.A.		PROEL INGENIERIA		CONSTRUCTORA ASUNCION S.A.	
Ítem	Código Catálogo	Descripción del Bien	Unidad de Medida	Cantidad	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)
1	72103001-002	Desbroce, Despeje y Limpieza	Hectáreas	10,75	9.231.718	99.240.968	9.913.333	106.568.330	6.899.713	74.171.915	4.469.891	48.051.328	8.139.946	87.504.420
2	72103004-002	Excavación no Clasificada	Metros cúbicos	2.151,40	28.915	62.207.731	29.226	62.876.816	33.855	72.835.647	22.376	48.139.726	32.936	70.858.510
3	72103004-004	Excavación de Bolsones	Metros cúbicos	6.058,75	32.816	198.823.940	35.329	214.049.579	37.795	228.990.456	32.025	194.031.469	37.473	227.039.539
4	72103004-003	Excavacion zanjas de drenaje	Metros cúbicos	15.400	34.717	534.641.800	28.938	445.645.200	32.335	497.959.000	29.313	451.420.200	36.207	557.587.800
5	72103004-001	Excavación estructural	Metros cúbicos	2.751,47	30.875	84.951.636	24.598	67.680.659	33.328	91.700.992	32.025	88.115.827	28.070	77.233.763
6	72131701-016	Terraplén	Metros cúbicos	121.174,90	45.512	5.514.912.049	51.228	6.207.547.777	42.343	5.130.908.791	38.803	4.701.949.645	50.238	6.087.584.626
7	72103003-001	Remoción de estructuras existentes	Unidad Medida Global	1	51.030.951	51.030.951	47.332.850	47.332.850	39.368.737	39.368.737	41.829.251	41.829.251	48.210.633	48.210.633
8	72131701-004	Subrasante Mejorada con Cal (CBR?20%)	Metros cúbicos	156.681,60	192.417	30.148.203.427	149.481	23.420.922.250	127.469	19.972.046.870	106.438	16.676.876.141	155.169	24.312.127.190
9	72131701-004	Sub-base granular estabilizada (CBR?80%)	Metros cúbicos	75.882,60	333.232	25.286.510.563	336.283	25.518.028.376	213.694	16.215.656.324	340.145	25.811.086.977	270.596	20.533.528.030
10	72131701-004	Base Granular Estabilizada (CBR?100%)	Metros cúbicos	59.424,75	379.931	22.577.304.692	390.547	23.208.157.838	248.723	14.780.302.094	373.936	22.221.053.316	299.181	17.778.756.130
11	72131701-004	Bacheo profundo	Metros cúbicos	39.062,50	386.552	15.099.687.500	461.266	18.018.203.125	491.559	19.201.523.438	153.479	5.995.273.438	271.431	10.602.773.438
12	72131701-004	Riego de Imprimación	Litros	468.468,00	6.380	2.988.825.840	7.095	3.323.780.460	7.238	3.390.771.384	6.505	3.047.384.340	6.016	2.818.303.488
13	72131701-004	Riego de Liga	Litros	277.200,00	5.268	1.460.289.600	5.992	1.660.982.400	5.242	1.453.082.400	5.887	1.631.876.400	3.876	1.074.427.200
14	72131701-004	Carpeta de Concreto Asfáltico	Metros cúbicos	25.107,93	1.432.386	35.964.247.421	1.475.429	37.044.968.052	1.220.040	30.632.678.917	1.423.165	35.732.727.198	1.200.828	30.150.305.366
15	72131701-017	Prolongación de Alcantarilla Tubular Simple D=0,80m	Metros	12,00	1.565.238	18.782.856	1.466.707	17.600.484	1.184.963	14.219.556	710.584	8.527.008	1.528.760	18.345.120
16	72131701-017	Prolongación de Alcantarilla Tubular Simple D=1,00m	Metros	20	1.911.375	38.227.500	1.693.410	33.868.200	2.210.954	44.219.080	997.891	19.957.820	1.899.995	37.999.900
17	72131701-017	Prolongación de Alcantarilla Tubular Doble D=1,00m	Metros	32	3.631.613	116.211.616	3.294.468	105.422.976	2.663.199	85.222.368	1.995.785	63.865.120	3.490.755	111.704.160
18	72131701-017	Prolongación de Alcantarilla Tubular Triple D=1,00m	Metros	24	5.447.419	130.738.056	4.706.413	112.953.912	4.002.230	96.053.520	2.993.678	71.848.272	5.207.244	124.973.856
19	72131701-017	Prolongación de Alcantarilla Tubular Cuadruple D=1,00m	Metros	16	7.072.088	113.153.408	6.275.216	100.403.456	5.225.235	83.603.760	3.991.568	63.865.088	6.961.308	111.380.928
20	72131701-017	Cabeceras para alcantarillas tubulares	Metros cúbicos	179,11	2.439.047	436.857.708	1.917.243	343.397.394	1.322.032	236.789.152	2.088.783	374.121.923	2.370.580	424.594.584
21	72131701-017	Plateas de H° simple para alcantarillas tubulares	Metros cúbicos	125,78	1.083.598	136.294.956	1.420.616	178.685.080	1.308.128	164.536.340	926.350	116.516.303	1.008.291	126.822.842
22	72131701-017	Prolongación de Alcantarilla Celular Simple 1,50 m x 1,50 m	Metros	4	2.498.324	9.993.296	2.674.848	10.699.392	2.778.415	11.113.660	2.094.294	8.377.176	2.847.145	11.388.580
23	72131701-017	Prolongación de Alcantarilla Celular Simple 2,00 m x 2,00 m	Metros	68	3.188.284	216.803.312	2.884.410	196.139.880	3.445.057	234.263.876	2.879.982	195.838.776	3.568.971	242.690.028
24	72131701-017	Prolongación de Alcantarilla Celular Doble 2,00 m x 2,00 m	Metros	64	9.446.685	604.587.840	5.399.725	345.582.400	6.576.852	420.918.528	5.759.964	368.637.696	8.438.255	540.048.320
25	72131701-017	Prolongación de Alcantarilla Celular Triple 2,00 m x 2,00 m	Metros	12	14.170.027	170.040.324	7.919.350	95.032.200	11.211.869	134.542.428	8.639.948	103.679.376	12.918.623	155.023.476
26	72131701-017	Alcantarilla Celular Simple 1,00 m x 1,00 m	Metros	120	1.986.521	238.382.520	2.484.534	298.144.080	2.347.740	281.728.800	1.630.687	195.682.440	2.267.869	272.144.280
27	72131701-017	Alcantarilla Celular Simple 1,50 m x 1,50 m	Metros	36	2.498.324	89.939.664	2.674.848	96.294.528	2.808.381	101.101.716	2.094.294	75.394.584	2.829.013	101.844.468
28	72131701-017	Alcantarilla Celular Simple 2,00 m x 2,00 m	Metros	36,00	3.188.284	114.778.224	2.884.410	103.838.760	3.500.460	126.016.560	2.879.982	103.679.352	3.668.908	132.080.688
29	72131701-017	Alcantarilla Celular Doble 1,50 m x 1,50 m	Metros	24	4.353.273	104.478.552	5.040.721	120.977.304	5.664.083	135.937.992	4.188.583	100.525.992	4.945.138	118.683.312
30	72131701-017	Alcantarilla Celular Doble 2,00 m x 2,00 m	Metros	120	9.446.685	1.133.602.200	5.399.725	647.967.000	7.081.540	849.784.800	5.759.964	691.195.680	7.728.062	927.367.440
31	72131701-017	Alcantarilla Celular Triple 1,50 m x 1,50 m	Metros	84	6.529.910	548.512.440	7.405.181	622.035.204	8.311.059	698.128.956	6.282.878	527.761.752	7.288.417	612.227.028
32	72131701-017	Cabeceras para alcantarillas celulares	Metros cúbicos	1.017,89	2.582.946	2.629.154.904	2.408.008	2.451.087.263	2.030.394	2.066.717.749	2.088.783	2.126.151.328	2.493.964	2.538.581.016
33	72131701-017	Plateas de H° simple para alcantarillas celulares	Metros cúbicos	135	1.159.457	156.944.100	1.208.950	163.643.472	911.001	123.313.095	926.350	125.390.736	993.573	134.490.041
34	72131701-9998	Cordón cuneta de hormigón	Metros	2.100	128.480	269.808.000	189.701	398.372.100	125.286	263.100.600	172.057	361.319.700	124.094	260.597.400
35	72131701-021	Limpieza de alcantarillas y cunetas laterales	Metros	300,00	25.360	7.608.000	43.714	13.114.200	53.459	16.037.700	28.617	8.585.100	24.305	7.291.500
36	72131701-007	Badén de hormigón	Metros cúbicos	96	1.277.128	122.604.288	1.474.376	141.540.096	869.768	83.497.728	1.236.000	118.656.000	1.232.587	118.328.352
37	72131701-017	Demolición de Cabeceras de Alcantarillas Existentes	Metros cúbicos	687	78.972	54.231.652	158.393	108.771.641	89.544	61.491.656	74.232	50.976.599	74.424	51.108.449
38	72131701-018	Traslado de Alambrado	Metros	19.250	15.595	300.203.750	13.523	260.317.750	18.490	355.932.500	19.623	377.742.750	17.552	337.876.000
39	72131701-001	Señalización Horizontal	Metros cuadrados	13.860	97.578	1.352.431.080	121.713	1.686.942.180	82.425	1.142.410.500	83.421	1.156.215.060	91.073	1.262.271.780
40	72131701-001	Señalización Vertical	Metros cuadrados	134,75	1.536.253	207.010.092	1.514.652	204.099.357	1.310.331	176.567.102	1.164.565	156.925.134	1.362.313	183.571.677
41	55121703-003	Tachas Reflectivas	Unidad	11.550	27.038	312.288.900	32.248	372.464.400	21.902	252.968.100	22.876	264.217.800	30.664	354.169.200
42	55121703-003	Tachones Reflectivos	Unidad	866	122.878	106.443.068	129.612	112.276.395	91.319	79.105.084	68.923	59.704.549	93.600	81.081.000
43	72131701-9999	Pórticos de señalización	Unidad	3	52.091.208	156.273.624	56.799.421	170.398.263	39.114.867	117.344.601	42.779.916	128.339.748	53.374.283	160.122.849
44	72131701-999	Revestimiento vegetal con tepes	Metros cuadrados	258.489	6.802	1.758.242.178	10.583	2.735.589.087	5.159	1.333.544.751	9.758	2.522.335.662	7.773	2.009.234.997
45	95141801-001	Caseta de resguardo peatonal	Unidad	2	27.409.951	54.819.902	30.433.355	60.866.710	40.040.195	80.080.390	26.107.802	52.215.604	26.443.028	52.886.056
46	72131701-019	Baranda de contención vehicular	Metros	4.200	316.000	1.327.200.000	323.496	1.358.683.200	322.081	1.352.740.200	342.321	1.437.748.200	278.707	1.170.569.400
47	72102201-011	Traslado de líneas eléctricas	Unidad	40	1.972.593	78.903.720	3.380.918	135.236.720	2.163.545	86.541.800	4.601.773	184.070.920	1.933.527	77.341.080
48	72131701-999	Protección forestal en áreas de préstamo	Unidad	14	68.867.591	964.146.274	27.047.343	378.662.802	60.784.746	850.986.444	41.724.354	584.140.956	65.133.245	911.865.430
49	72141204-001	Dársena de pesaje	Unidad	1	346.382.300	346.382.300	339.170.832	339.170.832	419.594.297	419.594.297	362.618.431	362.618.431	371.091.040	371.091.040
50	72131701-004	Losetas de acceso a propiedades	Metros cúbicos	16,95	3.164.305	53.634.970	3.608.383	61.162.092	1.835.807	31.116.929	3.801.793	64.440.391	2.931.326	49.685.976
51	72131701-001	Iluminación en Intersecciones	Unidad	9	14.051.112	126.460.008	13.523.672	121.713.048	16.812.621	151.313.589	14.686.290	132.176.610	14.834.206	133.507.854
52	72131701-004	Instalaciones y Servicios Especializados	Mes	24	25.308.678	607.408.272	47.435.630	1.138.455.120	50.011.607	1.200.278.568	32.001.031	768.024.744	29.270.608	702.494.592
53	72131701-004	Movilización	Unidad Medida Global	1	4.802.614.852	4.802.614.852	4.634.866.564	4.634.866.564	3.862.285.974	3.862.285.974	3.901.597.827	3.901.597.827	3.372.228.382	3.372.228.382
					PRECIO TOTAL	160.087.076.524	PRECIO TOTAL	159.823.219.254	PRECIO TOTAL	129.607.147.414	3.901.597.827	134.722.883.463	PRECIO TOTAL	132.835.953.213
					Precio Ofertado		Precio Ofertado	159.823.219.254	Precio Ofertado	129.607.147.414	Precio Ofertado	134.722.883.463	Precio Ofertado	132.835.953.213
					Diferencia		Diferencia	0	Diferencia	0	Diferencia	0	Diferencia	0

OBS.: LA EMPRESA T& C S.A. PRESENTA DIFERENCIA EN REDONDEO

ANGEL IRALA
D.G.C.
Dirección de Vialidad

Ing. Vir Alonso
D.G.C.

Ing. HUGO ARCE PALMA
Director de Vialidad
M.O.P.C.

ANEXO A

CONTRATACIÓN DE EMPRESAS CONSTRUCTORAS PARA LA REHABILITACIÓN DEL TRAMO PILAR – GENERAL DIAZ ID Nº 366249

CONSTRUPAR S.A.	CONSORCIO CURUPAYTY (DC INGENIERIA S.A. - TR CONSTRUCCIONES S.A.)		T&C S.A.		MM S.A. EMPRESA CONSTRUCTORA		TOCSA	
Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)	Precio unitario (IVA incluído)	Precio total (IVA incluído)
316.506.004	6.960.353	74.823.795	2.607.558	28.031.249	29.311.546	315.099.120	12.669.718	136.199.469
77.590.241	22.691	48.817.417	16.046	34.521.364	35.950	77.342.830	18.935	40.736.759
250.668.664	23.467	142.180.686	21.806	132.117.103	41.250	249.923.438	20.869	126.440.054
583.875.600	27.344	421.097.600	20.876	321.490.400	37.775	581.735.000	17.302	266.450.800
303.690.750	29.930	82.351.497	36.716	101.022.973	109.961	302.554.393	32.980	90.743.481
4.247.301.420	63.441	7.687.456.831	42.848	5.192.102.115	34.940	4.233.851.006	60.051	7.276.673.920
75.082.631	50.305.641	50.305.641	106.969.585	106.969.585	74.766.549	74.766.549	20.756.885	20.756.885
10.872.449.587	72.773	11.402.190.077	99.176	15.539.054.362	69.295	10.857.251.472	159.983	25.066.392.413
27.639.250.576	311.853	23.664.216.458	307.394	23.325.855.944	364.124	27.630.675.842	340.325	25.824.745.845
23.483.650.979	357.089	21.219.924.553	329.053	19.553.892.262	395.073	23.477.114.257	388.095	23.062.448.351
4.726.289.063	381.437	14.899.882.813	217.250	8.486.328.125	120.943	4.724.335.938	482.999	18.867.148.438
3.610.482.876	6.521	3.054.879.828	9.574	4.485.112.632	7.705	3.609.545.940	7.713	3.613.293.684
1.991.682.000	5.203	1.442.271.600	8.822	2.445.458.400	7.182	1.990.850.400	6.433	1.783.227.600
32.021.448.741	1.309.421	32.876.850.809	1.276.310	32.045.502.138	1.275.167	32.016.803.774	1.165.693	29.268.138.245
8.405.544	818.288	9.819.456	1.136.980	13.643.760	700.368	8.404.416	829.633	9.955.596
16.417.680	1.110.302	22.206.040	1.383.069	27.661.380	820.730	16.414.600	1.154.910	23.098.200
52.536.544	2.233.649	71.476.768	2.470.284	79.049.088	1.641.461	52.526.752	2.198.161	70.341.152
59.045.592	3.356.351	80.552.424	1.515.663	36.375.912	2.459.783	59.034.792	3.131.134	75.147.216
52.495.120	4.481.548	71.704.768	4.644.715	74.315.440	3.280.342	52.485.472	3.804.141	60.866.256
365.013.284	1.489.503	266.784.882	1.314.173	235.381.526	2.036.157	364.696.080	1.872.363	335.358.937
252.025.638	983.466	123.700.353	924.556	116.290.654	2.001.931	251.802.881	936.826	117.833.974
10.725.996	2.998.240	11.992.960	3.426.477	13.705.908	2.679.420	10.717.680	2.303.859	9.215.436
237.036.848	3.992.714	271.504.552	4.394.521	298.827.428	3.482.923	236.838.764	2.924.442	198.862.056
393.673.600	6.611.513	423.136.832	7.559.939	483.836.096	6.145.808	393.331.712	5.127.063	328.132.032
104.129.568	9.139.874	109.678.488	10.351.544	124.218.528	8.669.709	104.036.508	7.198.751	86.385.012
230.145.120	2.164.109	259.693.080	2.568.412	308.209.440	1.916.561	229.987.320	1.964.489	235.738.680
95.909.760	2.998.240	107.936.640	3.426.477	123.353.172	2.662.149	95.837.364	2.284.530	82.243.080
124.380.396	3.992.714	143.737.704	4.394.521	158.202.756	3.452.218	124.279.848	2.924.442	105.279.912
111.891.072	5.133.503	123.204.072	5.785.337	138.848.088	4.658.476	111.803.424	4.013.932	96.334.368
730.740.120	6.611.513	793.381.560	7.559.939	907.192.680	6.084.398	730.127.760	5.194.636	623.356.320
554.397.060	6.771.875	568.837.500	7.977.292	670.092.528	6.594.670	553.952.280	5.658.961	475.352.724
2.460.058.946	1.489.503	1.516.150.209	3.007.408	3.061.210.529	2.415.054	2.458.259.316	2.061.144	2.098.017.866
271.221.103	983.466	133.121.958	1.075.487	145.577.920	2.001.931	270.981.380	949.050	128.463.408
298.483.500	102.375	214.987.500	161.757	339.689.700	141.953	298.101.300	159.570	335.097.000
7.770.000	25.496	7.648.800	28.254	8.476.200	25.781	7.734.300	52.707	15.812.100
180.765.504	1.184.963	113.756.448	1.386.245	133.079.520	1.881.311	180.605.856	1.417.956	136.123.776
322.254.348	94.281	64.744.648	204.083	140.147.878	467.291	320.898.076	81.771	56.153.781
930.237.000	19.377	373.007.250	24.541	472.414.250	48.313	930.025.250	18.560	357.280.000
1.201.163.040	88.249	1.223.131.140	116.451	1.614.010.860	86.664	1.201.163.040	99.256	1.375.688.160
203.093.583	1.593.488	214.722.508	1.470.960	198.211.860	1.507.200	203.095.200	1.382.713	186.320.577
287.236.950	20.860	240.933.000	25.424	293.647.200	24.869	287.236.950	25.046	289.281.300
124.032.274	89.235	77.299.819	102.422	88.723.058	143.185	124.034.006	97.240	84.234.150
257.729.148	24.858.405	74.575.215	60.472.800	181.418.400	85.910.412	257.731.236	56.726.743	170.180.229
1.669.838.940	3.570	922.805.730	10.215	2.640.465.135	6.455	1.668.546.495	8.952	2.313.993.528
69.081.878	27.089.288	54.178.576	75.401.386	150.802.772	34.536.044	69.072.088	28.738.808	57.477.616
1.315.225.800	291.674	1.225.030.800	312.962	1.314.440.400	313.151	1.315.234.200	299.098	1.256.211.600
128.046.840	1.402.269	56.090.760	3.813.600	152.544.000	3.197.169	127.886.760	4.549.958	181.998.320
881.538.574	7.827.211	109.580.954	13.807.626	193.306.764	62.849.043	879.886.602	22.673.417	317.427.838
424.874.008	109.800.857	109.800.857	396.426.886	396.426.886	424.391.075	424.391.075	325.146.839	325.146.839
40.365.442	2.408.740	40.828.143	4.536.511	76.893.861	2.379.826	40.338.051	3.606.538	61.130.819
37.983.384	14.043.936	126.395.424	14.573.400	131.160.600	4.216.382	37.947.438	20.715.674	186.441.066
990.300.336	17.968.166	431.235.984	47.670.000	1.144.080.000	41.262.848	990.308.352	46.505.533	1.116.132.792
3.819.185.794	3.728.011.618	3.728.011.618	3.961.035.031	3.961.035.031	3.818.793.876	3.818.793.876	4.408.912.394	4.408.912.394
129.519.424.466	**PRECIO TOTAL**	**131.584.635.025**	**PRECIO TOTAL**	**132.444.425.859**	**PRECIO TOTAL**	**129.450.398.459**	**PRECIO TOTAL**	**153.834.422.054**
129.519.424.466	**Precio Ofertado**	**131.584.635.025**	**Precio Ofertado**	**132.444.425.869**	**Precio Ofertado**	**129.450.398.459**	**Precio Ofertado**	**153.834.422.054**
0	**Diferencia**	**0**	**Diferencia**	**10**	**Diferencia**	**0**	**Diferencia**	**0**

ANGEL IRALA
D.G.C.
Dirección de Vialidad

Ing. Vir Alonso
D.G.C.
...ión de Vialidad

Ing. HUGO ARCE PALMA
Director de Vialidad
M.O.P.C.