MINISTERIO DE OBRAS PUBLICAS Y COMUNICACIONES

DIRECCIÓN DE CAMINOS VECINALES

TRAMO: FASSARDI - KAGUARE'I - DEPARTAMENTO GUAIRA

LOTE 6 (0+000- 10+970) L= 10,97 km

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO

ITEM	DESCRIPCION	UNIDAD DE MEDIDA	CANTIDAD	PRECIO UNITARIO GS. IVA INCLUIDO	EDIVI SA			CONSORCIO TECO-CONTRUMAQ (TECO SRL-CONSTRUMAQ SUR SRL)			CONSTRUCTORA FELDMANN S.A.			CONSORCIO INDEPENDENCIA		
					PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL
1	Desbroce, despeje y limpieza	Ha	10,97	4.415.929	2.814.562	30.875.745	-36,26%	3.311.947	36.332.059	-25,00%	3.686.532	40.441.256	-16,52%	3.020.490	33.134.775	-31,60%
2	Excavación no Clasificada	m3	9.651,29	27.398	20.395	196.838.022	-25,56%	18.000	173.723.187	-34,30%	17.852	172.294.796	-34,84%	20.345	196.355.458	-25,74%
3	Excavación de zanjas de drenaje	m3	689,90	31.009	22.144	15.277.146	-28,59%	40.000	27.596.000	28,99%	21.102	14.558.270	-31,95%	22.622	15.606.918	-27,05%
4	Excavación de Bolsones	m3	520,00	31.634	23.309	12.120.680	-26,32%	40.000	20.800.000	26,45%	20.457	10.637.640	-35,33%	23.933	12.445.160	-24,34%
5	Excavación Estructural	m3	378,20	29.203	22.144	8.374.861	-24,17%	30.000	11.346.000	2,73%	20.457	7.736.837	-29,95%	21.811	8.248.920	-25,31%
6	Excavación en roca	m3	3.269,00	150.226	115.380	377.177.220	-23,20%	65.000	212.485.000	-56,73%	67.985	222.242.965	-54,74%	91.043	297.619.567	-39,40%
7	Terraplén con transporte 5 km	m3	91.917,03	48.698	35.599	3.272.154.359	-26,90%	30.000	2.757.510.907	-38,40%	35.234	3.238.604.643	-27,65%	32.673	3.003.205.128	-32,91%
8	AlcantarillaTubulares de Hº Aº ϕ=0,80 m	m	168,00	2.948.030	2.148.232	360.902.976	-27,13%	1.100.000	184.800.000	-62,69%	2.013.521	338.271.528	-31,70%	2.790.787	468.852.216	-5,33%
9	Alcantarilla Celular Simple de Hº Aº de 1,00x1,00m	m	18,00	4.364.574	3.306.122	59.510.196	-24,25%	6.000.000	108.000.000	37,47%	3.228.762	58.117.716	-26,02%	3.296.807	59.342.526	-24,46%
10	Alcantarilla Celular Simple de Hº Aº de 1,50x1,50m	m	26,00	6.890.945	4.175.951	108.574.726	-39,40%	6.800.000	176.800.000	-1,32%	4.222.259	109.778.734	-38,73%	6.361.868	165.408.568	-7,68%
11	Alcantarilla Celular Doble de Hº Aº de 1,50x1,50m	m	26,00	11.283.259	6.832.399	177.642.374	-39,45%	7.000.000	182.000.000	-37,96%	6.874.640	178.740.640	-39,07%	10.498.175	272.952.550	-6,96%
12	Alcantarilla Celular Doble de Hº Aº de 2,00x2,00m	m	13,00	11.870.549	9.176.660	119.296.580	-22,69%	8.000.000	104.000.000	-32,61%	10.081.823	131.063.699	-15,07%	10.319.705	134.156.165	-13,06%
13	Cuneta revestida de hormigón	m3	755,14	915.450	668.566	504.860.929	-26,97%	900.000	679.626.000	-1,69%	789.073	595.860.585	-13,80%	890.861	672.724.776	-2,69%
14	Cordon cuneta de hormigón	m3	139,49	845.575	632.005	88.155.875	-25,26%	900.000	125.537.437	6,44%	784.697	109.454.278	-7,20%	875.444	122.112.218	3,53%
15	Sub Base Cementada RC7 ≥ 2,8 Mpa (e=20 cm)	m3	24.419,22	262.454	188.491	4.602.803.197	-28,18%	170.000	4.151.267.400	-35,23%	164.364	4.013.640.676	-37,37%	200.839	4.904.331.726	-23,48%
16	Base Granular (CBR ≥ 100%) (e= 20 cm)	m3	23.728,11	316.067	149.757	3.553.450.569	-52,62%	270.000	6.406.589.700	-14,58%	186.805	4.432.529.589	-40,90%	181.117	4.297.564.099	-42,70%
17	Riego de Imprimación	lt	116.746,00	10.264	10.181	1.188.591.026	-0,81%	7.698	898.710.708	-25,00%	9.085	1.060.637.410	-11,49%	8.401	980.783.146	-18,15%
18	Riego de Liga	lt	116.746,00	8.436	6.516	760.716.936	-22,76%	6.327	738.651.942	-25,00%	7.244	845.708.024	-14,13%	6.585	768.772.410	-21,94%
19	Carpeta de concreto Asfaltico e= 5 cm	m3	3.916,29	1.105.226	1.125.854	4.409.170.762	1,87%	1.200.000	4.699.548.000	8,58%	1.246.263	4.880.727.324	12,76%	1.419.446	5.558.962.175	28,43%
20	Banquina Concreto Asfaltico e= 2 cm	m3	671,36	1.105.226	1.125.854	755.857.845	1,87%	1.005.226	674.872.548	-9,05%	1.252.491	840.877.368	13,32%	1.419.446	952.964.944	28,43%
21	Construcción de alambrado	m	260,00	26.834	21.844	5.679.440	-18,60%	60.141	15.636.660	124,12%	25.522	6.635.720	-4,89%	19.098	4.965.480	-28,83%
22	Traslado de alambrado	m	4.276,00	16.983	14.249	60.928.724	-16,10%	6.500	27.794.000	-61,73%	18.347	78.451.772	8,03%	19.098	81.663.048	12,45%
23	Señalización horizontal (Termo plastica-Caliente)	m2	3.590,00	71.249	49.299	176.983.410	-30,81%	44.000	157.960.000	-38,24%	74.692	268.144.280	4,83%	66.078	237.220.020	-7,26%
24	Tachas reflectatante bidireccionales	un.	1.956,00	34.316	26.806	52.432.536	-21,88%	14.000	27.384.000	-59,20%	26.378	51.595.368	-23,13%	29.015	56.753.340	-15,45%
25	Tachones 25 x 15 x 5	un.	96,00	81.112	46.618	4.475.328	-42,53%	115.242	11.063.232	42,08%	75.417	7.240.032	-7,02%	85.902	8.246.592	5,91%
26	Señalización vertical	m2	102,00	1.549.007	1.165.450	118.875.900	-24,76%	1.161.755	118.499.010	-25,00%	1.543.043	157.390.386	-0,39%	1.255.488	128.059.776	-18,95%
27	Pórticos	un	1,00	75.000.000	45.452.550	45.452.550	-39,40%	56.250.000	56.250.000	-25,00%	58.395.456	58.395.456	-22,14%	66.078.288	66.078.288	-11,90%
28	Empastado	m2	43.080,00	13.399	5.595	241.032.600	-58,24%	5.500	236.940.000	-58,95%	6.570	283.035.600	-50,97%	9.912	427.008.960	-26,02%
29	Refugio para darsena y alumbrado público	un	2,00	32.919.763	21.094.645	42.189.290	-35,92%	10.000.000	20.000.000	-69,62%	29.515.232	59.030.464	-10,34%	25.400.494	50.800.988	-22,84%
30	Baranda de defensa metálica	m	764,00	349.518	279.708	213.696.912	-19,97%	262.139	200.274.196	-25,00%	349.909	267.330.476	0,11%	303.960	232.225.440	-13,03%
31	Traslado de Estructuras del Servicio Público	un	11,00	11.443.329	8.338.795	91.726.745	-27,13%	2.500.000	27.500.000	-78,15%	4.765.230	52.417.530	-58,36%	8.590.177	94.491.947	-24,93%
32	Reposición y traslado de agua cte.	m	1.820,00	39.441	29.137	53.029.340	-26,13%	15.447	28.113.540	-60,84%	34.046	61.963.720	-13,68%	30.636	55.757.520	-22,32%
33	Remoción de alcantarillas y pontillones existentes	un	5,00	6.330.699	4.615.182	23.075.910	-27,10%	1.500.000	7.500.000	-76,31%	5.406.378	27.031.890	-14,60%	5.950.534	29.752.670	-6,01%
34	Protección préstamos	un	2,00	30.705.613	22.902.948	45.805.896	-25,41%	2.500.000	5.000.000	-91,86%	25.291.814	50.583.628	-17,63%	22.428.406	44.856.812	-26,96%
35	Instalaciones y Servicios Especializados	mes	18,00	19.800.000	13.880.725	249.853.050	-29,90%	9.500.000	171.000.000	-52,02%	17.941.210	322.941.780	-9,39%	17.874.176	321.735.168	-9,73%
36	Movilización	gl	1,00	938.510.970	665.238.860	665.238.860	-29,12%	400.000.000	400.000.000	-57,38%	609.068.721	609.068.721	-35,10%	747.514.727	747.514.727	-20,35%
37	Implementación del PGA-DIA	gl	1,00	315.447.000	236.061.898	236.061.898	-25,17%	50.000.000	50.000.000	-84,15%	273.360.253	273.360.253	-13,34%	237.921.483	237.921.483	-24,58%
				TOTAL GS. IVA INCLUIDO	**22.928.890.413**			**23.931.111.526**				**23.936.541.054**			**25.750.595.704**	
				Total según acta	**22.928.888.441**			**23.931.111.094**				**23.936.539.176**			**25.750.593.523**	
				Total según oferta fisica	**22.928.888.441**			**23.931.111.094**				**23.936.539.176**			**25.750.593.523**	
				Diferencia	**1.972**			**432**				**1.878**		**0**	**-2.181**	

Lic. Rocio Diarte
DPP-DCV

Ing. Pablo Portillo
DPP - DCV

(49)

MINISTERIO DE OBRAS PUBLICAS Y COMUNICACIONES

DIRECCIÓN DE CAMINOS VECINALES

TRAMO: FASSARDI - KAGUARE'I - DEPARTAMENTO GUAIRA

LOTE 6 (0+000- 10+970) L= 10,97 km

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO

ITEM	DESCRIPCION	UNIDAD DE MEDIDA	CANTIDAD	PRECIO UNITARIO GS. IVA INCLUIDO	Construcciones integrales Avanzadas S.A			CONSORCIO NACIONAL (B & B S.A-INGAER S.A)			CONSORCIO VIAL CAAZAPA			MEYAN S.A			COVIPA		
					PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL
1	Desbroce, despeje y limpieza	Ha	10,97	4.415.929	3.550.000	38.943.500	-19,61%	3.100.524	34.012.748	-29,79%	4.084.221	44.803.904	-7,51%	10.835.684	118.867.453	145,38%	5.635.309	61.819.340	27,61%
2	Excavación no Clasificada	m3	9.651,29	27.398	22.000	212.328.340	-19,70%	20.884	201.557.502	-23,78%	17.717	170.991.873	-35,33%	16.403	158.310.080	-40,13%	24.587	237.296.222	-10,26%
3	Excavación de zanjas de drenaje	m3	689,90	31.009	24.800	17.109.520	-20,02%	23.221	16.020.168	-25,12%	29.526	20.369.987	-4,78%	17.965	12.394.054	-42,07%	25.309	17.460.679	-18,38%
4	Excavación de Bolsones	m3	520,00	31.634	25.300	13.156.000	-20,02%	24.567	12.774.840	-22,34%	29.526	15.353.520	-6,66%	25.764	13.397.280	-18,56%	26.307	13.679.640	-16,84%
5	Excavación Estructural	m3	378,20	29.203	23.380	8.842.316	-19,94%	22.388	8.467.142	-23,34%	36.549	13.822.832	25,15%	32.974	12.470.767	12,91%	27.425	10.372.135	-6,09%
6	Excavación en roca	m3	3.269,00	150.226	120.200	392.933.800	-19,99%	93.455	305.504.395	-37,79%	151.498	495.246.962	0,85%	108.231	353.807.139	-27,95%	84.560	276.426.640	-43,71%
7	Terraplén con transporte 5 km	m3	91.917,03	48.698	39.000	3.584.764.179	-19,91%	33.539	3.082.805.276	-31,13%	34.522	3.173.159.717	-29,11%	35.484	3.261.583.900	-27,13%	35.974	3.306.623.245	-26,13%
8	AlcantarillaTubulares de Hº Aº ϕ=0,80 m	m	168,00	2.948.030	2.357.527	396.064.536	-20,03%	2.864.734	481.275.312	-2,83%	2.839.103	476.969.304	-3,69%	1.800.846	302.542.128	-38,91%	1.705.087	286.454.616	-42,16%
9	Alcantarilla Celular Simple de Hº Aº de 1,00x1,00m	m	18,00	4.364.574	3.500.759	63.013.662	-19,79%	3.384.162	60.914.916	-22,46%	6.413.091	115.435.638	46,94%	3.817.478	68.714.604	-12,53%	3.311.881	59.613.858	-24,12%
10	Alcantarilla Celular Simple de Hº Aº de 1,50x1,50m	m	26,00	6.890.945	5.512.754	143.331.604	-20,00%	6.530.438	169.791.388	-5,23%	9.308.905	242.031.530	35,09%	4.927.205	128.107.330	-28,50%	4.830.851	125.602.126	-29,90%
11	Alcantarilla Celular Doble de Hº Aº de 1,50x1,50m	m	26,00	11.283.259	9.026.439	234.687.414	-20,00%	10.776.345	280.184.970	-4,49%	12.138.774	315.608.124	7,58%	7.554.533	196.417.858	-33,05%	6.641.826	172.687.476	-41,14%
12	Alcantarilla Celular Doble de Hº Aº de 2,00x2,00m	m	13,00	11.870.549	9.496.489	123.454.357	-20,00%	10.593.147	137.710.911	-10,76%	15.695.772	204.045.036	32,22%	11.675.014	151.775.182	-1,65%	10.172.745	132.245.685	-14,30%
13	Cuneta revestida de hormigón	m3	755,14	915.450	732.400	553.064.536	-20,00%	914.466	690.549.855	-0,11%	954.456	720.747.904	4,26%	936.294	707.033.051	2,28%	855.117	645.733.051	-6,59%
14	Cordon cuneta de hormigón	m3	139,49	845.575	676.500	94.362.307	-20,00%	898.640	125.347.736	6,28%	850.710	118.662.170	0,61%	937.408	130.755.331	10,86%	897.137	125.138.088	6,10%
15	Sub Base Cementada RC7 ≥ 2,8 Mpa (e=20 cm)	m3	24.419,22	262.454	210.000	5.128.036.200	-19,99%	206.161	5.034.290.814	-21,45%	161.566	3.945.315.699	-38,44%	200.781	4.902.915.411	-23,50%	197.801	4.830.146.135	-24,63%
16	Base Granular (CBR ≥ 100%) (e= 20 cm)	m3	23.728,11	316.067	252.900	6.000.839.019	-19,99%	185.915	4.411.411.571	-41,18%	218.658	5.188.341.076	-30,82%	272.676	6.470.086.122	-13,73%	174.833	4.148.456.656	-44,68%
17	Riego de Imprimación	lt	116.746,00	10.264	8.215	959.068.390	-19,96%	8.623	1.006.700.758	-15,99%	8.049	939.688.554	-21,58%	8.715	1.017.441.390	-15,09%	12.719	1.484.892.374	23,92%
18	Riego de Liga	lt	116.746,00	8.436	6.752	788.268.992	-19,96%	6.758	788.969.468	-19,89%	4.019	469.202.174	-52,36%	6.983	815.237.318	-17,22%	7.817	912.603.482	-7,34%
19	Carpeta de concreto Asfaltico e= 5 cm	m3	3.916,29	1.105.226	1.000.000	3.916.290.000	-9,52%	1.457.057	5.706.257.759	31,83%	1.475.916	5.780.115.072	33,54%	1.263.220	4.947.135.854	14,30%	1.598.314	6.259.461.135	44,61%
20	Banquina Concreto Asfaltico e= 2 cm	m3	671,36	1.105.226	1.000.000	671.364.000	-9,52%	1.457.057	978.215.616	31,83%	1.475.916	990.876.869	33,54%	1.336.010	896.949.018	20,88%	1.610.781	1.081.420.375	45,74%
21	Construcción de alambrado	m	260,00	26.834	21.517	5.594.420	-19,81%	19.604	5.097.040	-26,94%	35.787	9.304.620	33,36%	22.710	5.904.600	-15,37%	30.102	7.826.520	12,18%
22	Traslado de alambrado	m	4.276,00	16.983	15.500	66.278.000	-8,73%	19.604	83.826.704	15,43%	35.787	153.025.212	110,72%	13.149	56.225.124	-22,58%	17.079	73.029.804	0,57%
23	Señalización horizontal (Termo plastica-Caliente)	m2	3.590,00	71.249	66.800	239.812.000	-6,24%	67.829	243.506.110	-4,80%	77.702	278.950.180	9,06%	56.518	202.899.620	-20,68%	79.530	285.512.700	11,62%
24	Tachas reflectatante bidireccionales	un.	1.956,00	34.316	27.464	53.719.584	-19,97%	29.784	58.257.504	-13,21%	21.655	42.357.180	-36,90%	29.889	58.462.884	-12,90%	27.030	52.870.680	-21,23%
25	Tachones 25 x 15 x 5	un.	96,00	81.112	64.890	6.229.440	-20,00%	88.178	8.465.088	8,71%	78.977	7.581.792	-2,63%	70.647	6.782.112	-12,90%	85.483	8.206.368	5,39%
26	Señalización vertical	m2	102,00	1.549.007	1.239.000	126.378.000	-20,01%	1.288.755	131.453.010	-16,80%	1.643.210	167.607.420	6,08%	1.193.150	121.701.300	-22,97%	1.620.911	165.332.922	4,64%
27	Pórticos	un	1,00	75.000.000	60.000.000	60.000.000	-20,00%	67.829.170	67.829.170	-9,56%	67.129.598	67.129.598	-10,49%	48.909.596	48.909.596	-34,79%	67.605.322	67.605.322	-9,86%
28	Empastado	m2	43.080,00	13.399	10.812	465.780.960	-19,31%	10.175	438.339.000	-24,06%	8.679	373.891.320	-35,23%	9.918	427.267.440	-25,98%	8.825	380.181.000	-34,14%
29	Refugio para darsena y alumbrado público	un	2,00	32.919.763	26.335.812	52.671.624	-20,00%	26.073.532	52.147.064	-20,80%	21.996.492	43.992.984	-33,18%	28.802.318	57.604.636	-12,51%	37.666.775	75.333.550	14,42%
30	Baranda de defensa metálica	m	764,00	349.518	279.625	213.633.500	-20,00%	312.014	238.378.696	-10,73%	551.620	421.437.680	57,82%	260.036	198.667.504	-25,60%	368.218	281.318.552	5,35%
31	Traslado de Estructuras del Servicio Público	un	11,00	11.443.329	9.138.664	100.525.304	-20,14%	8.817.793	96.995.723	-22,94%	12.985.405	142.839.455	13,48%	9.781.919	107.601.109	-14,52%	8.011.593	88.127.523	-29,99%
32	Reposición y traslado de agua cte.	m	1.820,00	39.441	31.752	57.788.640	-19,49%	31.448	57.235.360	-20,27%	27.573	50.182.860	-30,09%	33.476	60.926.320	-15,12%	33.931	61.754.420	-13,97%
33	Remoción de alcantarillas y pontillones existentes	un	5,00	6.330.699	5.091.372	25.456.860	-19,58%	6.108.205	30.541.025	-3,51%	6.121.691	30.608.455	-3,30%	5.774.593	28.872.965	-8,78%	5.801.077	29.005.385	-8,37%
34	Protección préstamos	un	2,00	30.705.613	24.565.150	49.130.300	-20,00%	23.022.693	46.045.386	-25,02%	20.305.333	40.610.666	-33,87%	23.911.358	47.822.716	-22,13%	25.434.506	50.869.012	-17,17%
35	Instalaciones y Servicios Especializados	mes	18,00	19.800.000	18.546.365	333.834.570	-6,33%	18.347.790	330.260.220	-7,33%	27.545.548	495.819.864	39,12%	17.251.501	310.527.018	-12,87%	24.366.470	438.596.460	23,06%
36	Movilización	gl	1,00	938.510.970	750.619.418	750.619.418	-20,02%	767.314.998	767.314.998	-18,24%	782.348.101	782.348.101	-16,64%	530.207.318	530.207.318	-43,51%	697.070.000	697.070.000	-25,73%
37	Implementación del PGA-DIA	gl	1,00	315.447.000	252.357.600	252.357.600	-20,00%	244.225.708	244.225.708	-22,58%	312.268.634	312.268.634	-1,01%	54.343.996	54.343.996	-82,77%	153.913.056	153.913.056	-51,21%
				TOTAL GS. IVA INCLUIDO		**26.199.732.892**		**26.432.680.951**				**26.860.743.966**						**27.104.686.232**	
				Total según acta	**26.199.731.601**			**26.432.678.712**			**26.860.741.456**			**26.990.665.917**			**27.104.679.741**		
				Total según oferta física	**26.199.731.601**			**26.432.678.712**			**26.860.741.456**			**26.990.665.917**			**27.104.679.741**		
				Diferencia	**1.291**			**2.239**			**2.510**			**1.611**			**6.491**		

Lic. Rocio Diarte
DPP-DCV

Ing. Pablo Portillo
DPP - DCV

(50)

MINISTERIO DE OBRAS PUBLICAS Y COMUNICACIONES

DIRECCIÓN DE CAMINOS VECINALES

TRAMO: FASSARDI - KAGUARE'I - DEPARTAMENTO GUAIRA

LOTE 6 (0+000- 10+970) L= 10,97 km

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO

ITEM	DESCRIPCION	UNIDAD DE MEDIDA	CANTIDAD	PRECIO UNITARIO GS. IVA INCLUIDO	CONSORCIO VIAL GUAIRA (MIGUEL ANGEL CHAVES HAUSMAN-CAMINOS PARAGUAYOS S.A			CONSTRUCTORA CARLOS V. GUEYRAUD			CONSORCIO BH Y ASOCIADOS (CONSTRUCTORA PETRICEVIC S.A.-BARRAIL HERMANOS S.A. DE CONSTRUCCIONES)			SACEEM			CALDETEC SRL		
					PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL
1	Desbroce, despeje y limpieza	Ha	10,97	4.415.929	4.455.404	48.875.782	0,89%	4.389.000	48.147.330	-0,61%	4.152.342	45.551.192	-5,97%	3.316.191	36.378.615	-24,90%	6.319.687	69.326.966	43,11%
2	Excavación no Clasificada	m3	9.651,29	27.398	22.491	217.067.122	-17,91%	23.100	222.944.757	-15,69%	18.011	173.829.351	-34,26%	19.699	190.120.726	-28,10%	26.142	252.303.975	-4,58%
3	Excavación de zanjas de drenaje	m3	689,90	31.009	27.103	18.698.360	-12,60%	32.340	22.311.366	4,29%	30.019	20.710.108	-3,19%	24.580	16.957.742	-20,73%	14.891	10.273.301	-51,98%
4	Excavación de Bolsones	m3	520,00	31.634	30.638	15.931.760	-3,15%	28.875	15.015.000	-8,72%	30.019	15.609.880	-5,11%	27.690	14.398.800	-12,47%	25.539	13.280.280	-19,27%
5	Excavación Estructural	m3	378,20	29.203	28.190	10.661.458	-3,47%	28.875	10.920.525	-1,12%	37.158	14.053.156	27,24%	15.242	5.764.524	-47,81%	25.174	9.520.807	-13,80%
6	Excavación en roca	m3	3.269,00	150.226	165.649	541.506.581	10,27%	120.351	393.427.419	-19,89%	154.023	503.501.187	2,53%	153.721	502.513.949	2,33%	79.824	260.944.656	-46,86%
7	Terraplén con transporte 5 km	m3	91.917,03	48.698	40.303	3.704.532.069	-17,24%	39.063	3.590.554.951	-19,79%	35.098	3.226.103.927	-27,93%	36.865	3.388.521.319	-24,30%	33.759	3.103.027.023	-30,68%
8	AlcantarillaTubulares de Hº Aº ϕ=0,80 m	m	168,00	2.948.030	2.379.753	399.798.504	-19,28%	2.502.466	420.414.288	-15,11%	2.886.456	484.924.608	-2,09%	1.200.184	201.630.912	-59,29%	1.238.008	207.985.344	-58,01%
9	Alcantarilla Celular Simple de Hº Aº de 1,00x1,00m	m	18,00	4.364.574	4.165.823	74.984.814	-4,55%	3.794.217	68.295.906	-13,07%	6.520.055	117.360.990	49,39%	3.551.887	63.933.966	-18,62%	5.288.788	95.198.184	21,18%
10	Alcantarilla Celular Simple de Hº Aº de 1,50x1,50m	m	26,00	6.890.945	5.818.812	151.289.112	-15,56%	5.730.066	148.981.716	-16,85%	9.464.168	246.068.368	37,34%	5.295.565	137.684.690	-23,15%	6.240.607	162.255.782	-9,44%
11	Alcantarilla Celular Doble de Hº Aº de 1,50x1,50m	m	26,00	11.283.259	9.892.308	257.200.008	-12,33%	9.397.876	244.344.776	-16,71%	12.341.237	320.872.162	9,38%	8.352.111	217.154.886	-25,98%	9.245.177	240.374.602	-18,06%
12	Alcantarilla Celular Doble de Hº Aº de 2,00x2,00m	m	13,00	11.870.549	12.143.944	157.871.272	2,30%	11.591.857	150.694.141	-2,35%	15.957.561	207.448.293	34,43%	11.293.086	146.810.118	-4,86%	10.189.292	132.460.796	-14,16%
13	Cuneta revestida de hormigón	m3	755,14	915.450	770.026	581.477.434	-15,89%	776.503	586.368.475	-15,18%	970.376	732.769.733	6,00%	734.677	554.783.990	-19,75%	1.087.854	821.482.070	18,83%
14	Cordon cuneta de hormigón	m3	139,49	845.575	694.899	96.928.710	-17,82%	864.887	120.639.663	2,28%	864.900	120.641.477	2,29%	744.033	103.782.217	-12,01%	1.007.817	140.576.403	19,19%
15	Sub Base Cementada RC7 ≥ 2,8 Mpa (e=20 cm)	m3	24.419,22	262.454	180.534	4.408.499.463	-31,21%	210.903	5.150.086.756	-19,64%	170.070	4.152.976.745	-35,20%	210.413	5.138.121.338	-19,83%	255.390	6.236.424.596	-2,69%
16	Base Granular (CBR ≥ 100%) (e= 20 cm)	m3	23.728,11	316.067	235.437	5.586.475.034	-25,51%	253.628	6.018.113.083	-19,75%	228.807	5.429.157.665	-27,61%	279.569	6.633.643.985	-11,55%	223.263	5.297.609.023	-29,36%
17	Riego de Imprimación	lt	116.746,00	10.264	7.733	902.796.818	-24,66%	10.317	1.204.468.482	0,52%	8.183	955.332.518	-20,27%	9.414	1.099.046.844	-8,28%	12.099	1.412.509.854	17,88%
18	Riego de Liga	lt	116.746,00	8.436	3.651	426.239.646	-56,72%	7.524	878.396.904	-10,81%	4.085	476.907.410	-51,58%	8.520	994.675.920	1,00%	7.838	915.055.148	-7,09%
19	Carpeta de concreto Asfaltico e= 5 cm	m3	3.916,29	1.105.226	1.413.617	5.536.134.121	27,90%	1.185.712	4.643.592.048	7,28%	1.513.499	5.927.300.999	36,94%	1.181.355	4.626.528.773	6,89%	1.269.622	4.972.207.942	14,87%
20	Banquina Concreto Asfaltico e= 2 cm	m3	671,36	1.105.226	1.367.383	918.011.720	23,72%	1.185.712	796.044.351	7,28%	1.513.499	1.016.108.743	36,94%	1.181.355	793.119.218	6,89%	1.269.622	852.378.504	14,87%
21	Construcción de alambrado	m	260,00	26.834	27.233	7.080.580	1,49%	23.331	6.066.060	-13,05%	36.384	9.459.840	35,59%	19.477	5.064.020	-27,42%	23.395	6.082.700	-12,82%
22	Traslado de alambrado	m	4.276,00	16.983	17.890	76.497.640	5,34%	15.708	67.167.408	-7,51%	36.384	155.577.984	114,24%	17.927	76.655.852	5,56%	9.779	41.815.004	-42,42%
23	Señalización horizontal (Termo plastica-Caliente)	m2	3.590,00	71.249	100.240	359.861.600	40,69%	60.060	215.615.400	-15,70%	78.998	283.602.820	10,88%	55.339	198.667.010	-22,33%	78.309	281.129.310	9,91%
24	Tachas reflectatante bidireccionales	un.	1.956,00	34.316	27.468	53.727.408	-19,96%	34.650	67.775.400	0,97%	22.015	43.061.340	-35,85%	46.116	90.202.896	34,39%	25.451	49.782.156	-25,83%
25	Tachones 25 x 15 x 5	un.	96,00	81.112	83.175	7.984.800	2,54%	69.300	6.652.800	-14,56%	80.295	7.708.320	-1,01%	73.786	7.083.456	-9,03%	65.258	6.264.768	-19,55%
26	Señalización vertical	m2	102,00	1.549.007	1.189.285	121.307.070	-23,22%	1.386.000	141.372.000	-10,52%	1.670.616	170.402.832	7,85%	1.336.701	136.343.502	-13,71%	1.107.382	112.952.964	-28,51%
27	Pórticos	un	1,00	75.000.000	51.030.000	51.030.000	-31,96%	63.525.000	63.525.000	-15,30%	68.249.251	68.249.251	-9,00%	55.339.439	55.339.439	-26,21%	50.604.631	50.604.631	-32,53%
28	Empastado	m2	43.080,00	13.399	10.260	442.000.800	-23,43%	10.742	462.765.360	-19,83%	8.824	380.137.920	-34,14%	7.919	341.150.520	-40,90%	9.468	407.881.440	-29,34%
29	Refugio para darsena y alumbrado público	un	2,00	32.919.763	21.237.677	42.475.354	-35,49%	32.917.500	65.835.000	-0,01%	22.363.372	44.726.744	-32,07%	28.303.316	56.606.632	-14,02%	58.124.266	116.248.532	76,56%
30	Baranda de defensa metálica	m	764,00	349.518	323.764	247.355.696	-7,37%	288.750	220.605.000	-17,39%	560.821	428.467.244	60,46%	395.664	302.287.296	13,20%	424.984	324.687.776	21,59%
31	Traslado de Estructuras del Servicio Público	un	11,00	11.443.329	10.710.877	117.819.647	-6,40%	10.395.000	114.345.000	-9,16%	13.201.990	145.221.890	15,37%	6.379.051	70.169.561	-44,26%	1.480.714	16.287.854	-87,06%
32	Reposición y traslado de agua cte.	m	1.820,00	39.441	39.852	72.530.640	1,04%	34.650	63.063.000	-12,15%	28.031	51.016.420	-28,93%	25.281	46.011.420	-35,90%	26.430	48.102.600	-32,99%
33	Remoción de alcantarillas y pontillones existentes	un	5,00	6.330.699	6.446.837	32.234.185	1,83%	5.775.000	28.875.000	-8,78%	6.223.795	31.118.975	-1,69%	5.428.085	27.140.425	-14,26%	4.864.003	24.320.015	-23,17%
34	Protección préstamos	un	2,00	30.705.613	18.737.110	37.474.220	-38,98%	26.565.000	53.130.000	-13,48%	20.644.006	41.288.012	-32,77%	28.227.268	56.454.536	-8,07%	16.510.970	33.021.940	-46,23%
35	Instalaciones y Servicios Especializados	mes	18,00	19.800.000	19.652.399	353.743.182	-0,75%	16.863.000	303.534.000	-14,83%	28.004.980	504.089.640	41,44%	21.870.859	393.675.462	10,46%	33.245.000	598.410.000	67,90%
36	Movilización	gl	1,00	938.510.970	804.000.000	804.000.000	-14,33%	752.136.000	752.136.000	-19,86%	806.064.137	806.064.137	-14,11%	884.764.573	884.764.573	-5,73%	551.880.966	551.880.966	-41,20%
37	Implementación del PGA-DIA	gl	1,00	315.447.000	360.000.000	360.000.000	14,12%	271.425.000	271.425.000	-13,96%	317.476.962	317.476.962	0,64%	289.997.372	289.997.372	-8,07%	271.262.376	271.262.376	-14,01%
				TOTAL GS. IVA INCLUIDO	**27.242.102.610**				**27.637.649.365**		**27.674.898.843**			**27.903.186.504**				28.145.930.288	
				Total según acta	**27.242.102.570**				**27.637.648.081**		**27.674.896.238**			**27.903.184.753**			**28.145.929.241**		
				Total según oferta fisica	**27.242.102.570**				**27.637.648.081**		**27.674.896.238**			**27.903.184.753**			**28.145.929.241**		
				Diferencia	**40**				**1.284**		**2.605**			**1.751**			**1.047**		

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(54)

MINISTERIO DE OBRAS PUBLICAS Y COMUNICACIONES

DIRECCIÓN DE CAMINOS VECINALES

TRAMO: FASSARDI - KAGUARE'I - DEPARTAMENTO GUAIRA

LOTE 6 (0+000- 10+970) L= 10,97 km

PLANILLA DE COMPUTO METRICO Y PRESUPUESTO

ITEM	DESCRIPCION	UNIDAD DE MEDIDA	CANTIDAD	PRECIO UNITARIO GS. IVA INCLUIDO	TECNOLOGIA DE SUR SAE			COMPAÑÍA DE CONSTRUCCIONES CIVILES S.A.			CONSTRUCTORA ASUNCIÓN SA			14 DE JULIO S.A			DC INGENIERIA S.A		
					PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL	PRECIO UNITARIO CON IVA (Gs)	PRECIO TOTAL CON IVA(Gs)	DIFERENCIA CON EL REFERENCIAL
1	Desbroce, despeje y limpieza	Ha	10,97	4.415.929	6.451.776	70.775.983	46,10%	5.437.150	59.645.536	23,13%	4.708.463	51.651.839	6,62%	3.665.999	40.216.009	-16,98%	7.727.940	84.775.502	75,00%
2	Excavación no Clasificada	m3	9.651,29	27.398	18.334	176.946.717	-33,08%	18.460	178.162.780	-32,62%	27.000	260.584.781	-1,45%	23.248	224.373.147	-15,15%	19.942	192.465.989	-27,21%
3	Excavación de zanjas de drenaje	m3	689,90	31.009	28.954	19.975.365	-6,63%	33.010	22.773.599	6,45%	33.136	22.860.526	6,86%	25.762	17.773.204	-16,92%	37.227	25.682.907	20,05%
4	Excavación de Bolsones	m3	520,00	31.634	18.334	9.533.680	-42,04%	35.430	18.423.600	12,00%	31.161	16.203.720	-1,50%	27.042	14.061.840	-14,52%	33.599	17.471.480	6,21%
5	Excavación Estructural	m3	378,20	29.203	28.954	10.950.403	-0,85%	27.120	10.256.784	-7,13%	31.161	11.785.090	6,70%	29.562	11.180.348	1,23%	33.599	12.707.142	15,05%
6	Excavación en roca	m3	3.269,00	150.226	79.133	258.685.777	-47,32%	105.920	346.252.480	-29,49%	131.016	428.291.304	-12,79%	124.444	406.807.436	-17,16%	140.334	458.751.846	-6,58%
7	Terraplén con transporte 5 km	m3	91.917,03	48.698	39.043	3.588.716.611	-19,83%	43.060	3.957.947.321	-11,58%	34.929	3.210.569.948	-28,27%	47.599	4.375.158.721	-2,26%	40.080	3.684.034.571	-17,70%
8	AlcantarillaTubulares de Hº Aº ϕ=0,80 m	m	168,00	2.948.030	2.948.030	495.269.040	0,00%	1.677.510	281.821.680	-43,10%	2.796.336	469.784.448	-5,15%	3.060.055	514.089.240	3,80%	2.224.298	373.682.064	-24,55%
9	Alcantarilla Celular Simple de Hº Aº de 1,00x1,00m	m	18,00	4.364.574	3.112.711	56.028.798	-28,68%	3.377.130	60.788.340	-22,62%	4.082.336	73.482.048	-6,47%	3.627.538	65.295.684	-16,89%	4.337.737	78.079.266	-0,61%
10	Alcantarilla Celular Simple de Hº Aº de 1,50x1,50m	m	26,00	6.890.945	4.567.770	118.762.020	-33,71%	4.499.630	116.990.380	-34,70%	5.756.108	149.658.808	-16,47%	6.089.296	158.321.696	-11,63%	5.884.606	152.999.756	-14,60%
11	Alcantarilla Celular Doble de Hº Aº de 1,50x1,50m	m	26,00	11.283.259	7.851.791	204.146.566	-30,41%	8.153.080	211.980.080	-27,74%	9.365.393	243.500.218	-17,00%	9.368.127	243.571.302	-16,97%	8.731.528	227.019.728	-22,62%
12	Alcantarilla Celular Doble de Hº Aº de 2,00x2,00m	m	13,00	11.870.549	11.315.825	147.105.725	-4,67%	9.151.590	118.970.670	-22,91%	12.392.018	161.096.234	4,39%	10.453.988	135.901.844	-11,93%	11.921.997	154.985.961	0,43%
13	Cuneta revestida de hormigón	m3	755,14	915.450	1.142.005	862.373.656	24,75%	1.027.170	775.657.154	12,20%	961.611	726.150.931	5,04%	1.050.335	793.149.972	14,73%	1.043.175	787.743.170	13,95%
14	Cordon cuneta de hormigón	m3	139,49	845.575	845.575	117.945.909	0,00%	978.420	136.475.932	15,71%	913.069	127.360.380	7,98%	980.547	136.772.619	15,96%	992.512	138.441.569	17,38%
15	Sub Base Cementada RC7 ≥ 2,8 Mpa (e=20 cm)	m3	24.419,22	262.454	274.871	6.712.135.421	4,73%	211.970	5.176.142.063	-19,24%	265.675	6.487.576.274	1,23%	245.821	6.002.757.080	-6,34%	313.694	7.660.162.799	19,52%
16	Base Granular (CBR ≥ 100%) (e= 20 cm)	m3	23.728,11	316.067	235.441	5.586.569.947	-25,51%	197.830	4.694.132.001	-37,41%	273.782	6.496.329.412	-13,38%	261.611	6.207.534.585	-17,23%	223.299	5.298.463.235	-29,35%
17	Riego de Imprimación	lt	116.746,00	10.264	13.022	1.520.266.412	26,87%	15.070	1.759.362.220	46,82%	9.082	1.060.287.172	-11,52%	11.500	1.342.579.000	12,04%	12.163	1.419.981.598	18,50%
18	Riego de Liga	lt	116.746,00	8.436	6.026	703.511.396	-28,57%	9.530	1.112.589.380	12,97%	7.550	881.432.300	-10,50%	7.141	833.683.186	-15,35%	8.563	999.695.998	1,51%
19	Carpeta de concreto Asfaltico e= 5 cm	m3	3.916,29	1.105.226	1.446.862	5.666.331.182	30,91%	1.562.140	6.117.793.261	41,34%	1.361.052	5.330.274.337	23,15%	1.382.524	5.414.364.916	25,09%	1.446.749	5.665.888.641	30,90%
20	Banquina Concreto Asfaltico e= 2 cm	m3	671,36	1.105.226	1.519.205	1.019.939.546	37,46%	1.562.140	1.048.764.559	41,34%	1.361.052	913.761.315	23,15%	1.382.524	928.176.843	25,09%	1.446.749	971.295.196	30,90%
21	Construcción de alambrado	m	260,00	26.834	21.236	5.521.360	-20,86%	46.630	12.123.800	73,77%	30.578	7.950.280	13,95%	31.709	8.244.340	18,17%	25.572	6.648.720	-4,70%
22	Traslado de alambrado	m	4.276,00	16.983	18.404	78.695.504	8,37%	48.600	207.813.600	186,17%	17.487	74.774.412	2,97%	20.182	86.298.232	18,84%	18.747	80.162.172	10,39%
23	Señalización horizontal (Termo plastica-Caliente)	m2	3.590,00	71.249	79.537	285.537.830	11,63%	76.850	275.891.500	7,86%	81.400	292.226.000	14,25%	79.772	286.381.480	11,96%	78.242	280.888.780	9,81%
24	Tachas reflectatante bidireccionales	un.	1.956,00	34.316	26.879	52.575.324	-21,67%	21.020	41.115.120	-38,75%	27.830	54.435.480	-18,90%	39.886	78.017.016	16,23%	20.815	40.714.140	-39,34%
25	Tachones 25 x 15 x 5	un.	96,00	81.112	100.733	9.670.368	24,19%	77.510	7.440.960	-4,44%	71.500	6.864.000	-11,85%	95.726	9.189.696	18,02%	67.652	6.494.592	-16,59%
26	Señalización vertical	m2	102,00	1.549.007	1.528.434	155.900.268	-1,33%	1.372.830	140.028.660	-11,37%	1.375.000	140.250.000	-11,23%	1.754.986	179.008.572	13,30%	1.691.300	172.512.600	9,19%
27	Pórticos	un	1,00	75.000.000	63.894.402	63.894.402	-14,81%	65.028.800	65.028.800	-13,29%	58.520.000	58.520.000	-21,97%	71.794.865	71.794.865	-4,27%	85.866.000	85.866.000	14,49%
28	Empastado	m2	43.080,00	13.399	7.942	342.141.360	-40,73%	7.060	304.144.800	-47,31%	10.512	452.856.960	-21,55%	11.168	481.117.440	-16,65%	7.585	326.761.800	-43,39%
29	Refugio para darsena y alumbrado público	un	2,00	32.919.763	32.919.763	65.839.526	0,00%	44.554.260	89.108.520	35,34%	31.785.782	63.571.564	-3,44%	29.515.667	59.031.334	-10,34%	45.459.351	90.918.702	38,09%
30	Baranda de defensa metálica	m	764,00	349.518	336.009	256.710.876	-3,87%	345.980	264.328.720	-1,01%	352.000	268.928.000	0,71%	438.746	335.201.944	25,53%	426.942	326.183.688	22,15%
31	Traslado de Estructuras del Servicio Público	un	11,00	11.443.329	2.123.550	23.359.050	-81,44%	2.312.140	25.433.540	-79,79%	8.926.003	98.186.033	-22,00%	9.572.649	105.299.139	-16,35%	2.046.473	22.511.203	-82,12%
32	Reposición y traslado de agua cte.	m	1.820,00	39.441	50.951	92.730.820	29,18%	37.860	68.905.200	-4,01%	42.187	76.780.340	6,96%	27.123	49.363.860	-31,23%	39.783	72.405.060	0,87%
33	Remoción de alcantarillas y pontillones existentes	un	5,00	6.330.699	5.662.800	28.314.000	-10,55%	7.064.640	35.323.200	11,59%	6.369.088	31.845.440	0,61%	5.274.912	26.374.560	-16,68%	6.411.328	32.056.640	1,27%
34	Protección préstamos	un	2,00	30.705.613	21.235.500	42.471.000	-30,84%	22.815.170	45.630.340	-25,70%	28.859.236	57.718.472	-6,01%	25.583.031	51.166.062	-16,68%	33.960.003	67.920.006	10,60%
35	Instalaciones y Servicios Especializados	mes	18,00	19.800.000	17.310.464	311.588.352	-12,57%	33.000.860	594.015.480	66,67%	22.599.271	406.786.878	14,14%	20.106.994	361.925.892	1,55%	29.490.614	530.831.052	48,94%
36	Movilización	gl	1,00	938.510.970	372.521.555	372.521.555	-60,31%	886.992.460	886.992.460	-5,49%	903.689.751	903.689.751	-3,71%	1.037.036.945	1.037.036.945	10,50%	896.048.492	896.048.492	-4,52%
37	Implementación del PGA-DIA	gl	1,00	315.447.000	212.355.000	212.355.000	-32,68%	497.371.770	497.371.770	57,67%	326.700.000	326.700.000	3,57%	95.726.487	95.726.487	-69,65%	759.083.347	759.083.347	140,64%
				TOTAL GS. IVA INCLUIDO		**29.745.796.749**		**29.765.626.290**				30.444.724.695		**31.186.946.536**				**32.202.335.412**	
				Total según acta		**29.745.794.110**		**29.765.626.237**				30.444.723.574		**31.186.944.921**			**32.202.333.582**		
				Total según oferta fisica		**29.745.794.110**		**29.765.626.237**				30.444.723.574		**31.186.944.921**			**32.202.333.582**		
				Diferencia		**2.639**		**53**				**1.121**		**1.615**			**1.830**		

Lic. Rocío Diarte
DPP-DCV

Ing. Pablo Portillo
DPP - DCV