

ANEXO A

LLAMADO MOPC N° 84/2024 LICITACIÓN PÚBLICA INTERNACIONAL PARA LA CONTRATACIÓN DE EMPRESAS CONSTRUCTORAS PARA LA REHABILITACIÓN DE LA RUTA PY05, TRAMO: POZO COLORADO - CONCEPCIÓN.
LOTE A: PROG. 318+920 A PROG. 372+260

				PRECIO REFERENCIAL		CONSORCIO CENTRO SEMISA		CONSORCIO RUTA PY 05		CONSORCIO AVANCHA CHACO		ECOMIPA S.A.		CONCRET MIX S.A.	
ítem	Descripción del ítem	Unidad de Medida	Cantidad	Precio unitario (IVA incluido)	Precio total (IVA incluido)	Precio unitario (IVA incluido)	Precio total (IVA incluido)	Precio unitario (IVA incluido)	Precio total (IVA incluido)	Precio unitario (IVA incluido)	Precio total (IVA incluido)	Precio unitario (IVA incluido)	Precio total (IVA incluido)	Precio unitario (IVA incluido)	Precio total (IVA incluido)
1 MOVIMIENTO DE SUELOS															
1.1	Desbroce y Limpieza	Ha	106,680	8.861.293	945.322.722	10.758.660	1.147.733.849	8.864.268	945.640.110	8.368.419	892.742.939	12.331.665	1.315.542.022	12.139.844	1.295.078.558
1.2	Excavación no clasificada	m³	28.714,510	29.533	848.012.461	36.022	1.034.354.079	30.468	874.873.691	34.398	987.721.715	35.341	1.014.799.498	33.996	976.178.482
1.3	Excavación de Bolsones	m³	2.393,993	31.316	74.969.787	23.940	57.312.189	32.743	78.386.508	36.787	88.067.816	39.317	94.124.618	38.816	92.925.227
1.4	Excavación de Zanjas de Drenaje	m³	6.116,780	28.495	174.299.011	23.886	146.105.407	29.503	180.463.360	38.887	237.863.224	24.076	147.267.595	32.613	199.486.546
1.5	Excavación para saneamiento de subrasante	m³	26.532,000	30.570	811.072.568	35.297	936.500.004	31.585	838.013.220	38.887	1.031.749.884	36.900	979.030.800	40.252	1.067.966.064
1.6	Terraplén para relleno de saneamiento de sub rasante	m³	26.532,000	56.111	1.488.745.320	61.999	1.644.957.468	221.862	5.886.442.584	47.605	1.263.055.860	130.969	3.474.869.500	172.986	4.589.664.552
1.7	Relleno Lateral con Ripio	m³	64.972,365	193.227	12.554.392.528	189.552	12.315.641.744	212.605	13.813.449.676	210.646	13.686.168.813	241.826	15.712.007.155	145.555	9.457.052.598
1.8	Relleno Lateral con Suelo Cal	m³	23.389,189	170.187	3.980.525.439	180.684	4.226.052.207	177.167	4.143.792.430	188.247	4.402.944.643	242.262	5.666.311.681	185.359	4.335.396.665
2 PAQUETE ESTRUCTURAL															
2.1	Losá de Hormigón con Fibras en Banquina	m³	18.569,890	1.623.633	30.150.685.399	1.673.334	31.073.627.477	1.868.933	34.705.879.293	1.837.711	34.126.090.203	2.004.344	37.220.446.600	2.068.717	38.415.846.097
2.2	Losá de Hormigón con Fibras en Calzada	m³	71.606,574	1.911.511	136.876.753.873	1.937.495	138.737.379.092	2.056.083	147.229.059.490	1.943.299	139.152.983.648	1.962.847	140.552.748.956	2.263.126	162.054.699.390
2.3	Relleno granular con compactación manual	m³	11.422,673	580.951	6.636.016.916	482.346	5.509.680.631	466.321	5.326.632.296	613.810	7.011.350.914	301.074	3.439.069.851	521.939	5.961.938.523
2.4	Riego de Curado	m²	581.442,913	12.543	7.292.892.396	11.420	6.640.078.061	10.468	6.086.544.408	13.731	7.983.792.632	13.091	7.611.669.168	13.310	7.739.005.165
2.5	Sub Base Granular Reciclada (RAP + BG Existente) CBR 80 %	m³	36.869,865	210.094	7.746.152.569	177.103	6.529.763.701	214.621	7.913.047.296	231.490	8.535.005.049	237.496	8.756.445.458	218.390	8.052.009.817
2.6	Estabilizado c/Cemento 20 kg/cm² Rr>75%	m³	41.666,133	599.542	24.980.583.899	531.404	22.141.549.741	488.105	20.337.447.848	670.875	27.952.766.976	796.034	33.167.658.517	598.217	24.925.389.085
2.7	Sub Base Reciclada (Base Granular Virgen + RAP) CBR 80%	m³	13.680,788	415.442	5.683.580.055	348.237	4.764.156.397	414.293	5.667.854.496	653.410	8.939.163.360	602.893	8.248.051.018	452.497	6.190.515.301
2.8	Estabilizado c/Cemento 20 kg/cm² Rr>75%	m³	93.865,977	36.258	3.403.425.721	46.302	4.346.182.467	75.084	7.047.833.017	49.707	4.665.796.119	62.934	5.907.361.397	34.746	3.261.467.237
2.9	Sub Rasante de Ripio Virgen CBR>20 %	m³	22.818,028	155.952	3.558.520.476	152.049	3.469.458.263	204.289	4.661.472.020	202.789	4.627.244.979	214.569	4.896.041.343	124.743	2.846.389.204
2.10	Suelo Cal Existente Estabilizado con Cemento 14 kg/cm²	m³	17.620,955	136.809	2.410.699.454	196.784	3.467.522.009	165.479	2.915.898.012	176.264	3.105.940.012	235.596	4.151.426.514	229.304	4.040.555.465
2.11	Geotextil No Tejido 400 gr/m2 bajo losas	m²	611.127,954	13.568	8.291.511.521	17.616	10.765.630.043	23.761	14.521.011.322	29.926	18.288.615.160	29.036	17.744.711.281	25.100	15.339.311.653
2.12	Riego de Imprimación en Relleno Granular Lateral	m²	26.800,000	12.543	336.145.668	11.663	312.568.400	20.820	557.976.000	19.009	509.441.200	10.286	275.664.800	13.788	369.518.400
3 OBRAS DE DRENAJE Y PUENTES															
3.1 ALCANTARILLAS TUBULARES															
3.1.1	Alcantarilla Tubular de Hº Aº 1Ø0,8	m	42,000	1.948.571	81.839.967	2.063.912	86.684.304	2.567.139	107.819.838	2.121.802	89.115.684	3.052.159	128.190.678	1.788.898	75.133.716
3.1.2	Alcantarilla Tubular de Hº Aº 1Ø1,2	m	23,000	5.692.195	130.920.492	3.884.966	89.354.218	4.553.957	104.741.011	3.512.175	80.780.025	6.149.319	141.434.337	3.396.057	78.109.311
3.1.3	Alcantarilla Tubular de Hº Aº 2Ø0,8	m	22,000	3.838.508	84.447.186	4.268.984	93.917.648	4.852.030	106.744.660	4.205.551	92.522.122	5.157.301	113.460.622	3.528.821	77.634.062
3.1.4	Alcantarilla Tubular de Hº Aº 2Ø1,2	m	69,000	7.134.020	492.247.395	7.016.765	484.156.785	8.314.712	573.715.128	7.549.509	520.916.121	12.198.121	841.670.349	6.721.974	463.816.206
3.1.5	Alcantarilla Tubular de Hº Aº 3Ø0,8	m	42,000	5.728.446	240.594.741	5.139.818	215.872.356	7.078.654	297.303.468	6.405.062	269.012.604	6.948.038	291.817.596	5.120.913	215.078.346
3.1.6	Alcantarilla Tubular de Hº Aº 3Ø1,2	m	28,000	10.692.902	299.401.248	10.458.324	292.833.072	12.184.623	341.169.444	11.555.617	323.557.276	18.372.075	514.418.100	10.048.913	281.369.564
3.1.7	Alcantarilla Tubular de Hº Aº 4Ø1,2	m	4,000	14.251.783	57.007.132	12.498.039	49.992.156	15.545.042	62.180.168	13.652.153	54.608.612	22.171.609	88.686.436	13.079.502	52.318.008
3.1.8	Cabeceras de Alcantarillas Tubulares	m³	828,072	2.287.096	1.893.880.337	2.448.966	2.027.920.174	3.251.172	2.692.204.500	3.916.208	3.242.902.191	3.258.076	2.697.921.509	4.074.549	3.374.019.940
3.1.9	Demolicion de Cabeceras de Alcantarillas Tubulares	m³	414,036	137.859	57.078.726	147.188	60.941.131	245.185	101.515.417	717.729	297.165.644	469.629	194.443.313	403.287	166.975.336
3.2 ALCANTARILLAS CELULARES															
3.2.1	Alcantarilla Celular de Hº Aº 1[1,5x1	m	4,000	3.586.646	14.346.586	4.717.815	18.871.260	4.452.515	17.810.060	3.765.631	15.062.524	5.660.291	22.641.164	4.126.519	16.506.076
3.2.2	Alcantarilla Celular de Hº Aº 1[1,5x1,3	m	8,000	8.195.997	65.567.976	8.287.710	66.301.680	6.564.045	52.512.360	4.228.007	33.824.056	6.244.875	49.959.000	4.126.519	33.012.152
3.2.5	Alcantarilla Celular de Hº Aº 2[1,5x1,4	m	2,000	8.154.227	16.308.454	9.050.938	18.101.876	8.997.104	17.994.208	7.080.922	14.161.844	8.458.657	16.917.314	7.975.582	15.951.164
3.2.7	Alcantarilla Celular de Hº Aº 3[1,5x1,4	m	6,000	11.631.262	69.787.569	12.108.454	72.650.724	13.135.555	78.813.330	10.830.251	64.981.506	12.428.193	74.569.158	11.618.948	69.713.688
3.2.8	Cabeceras de Alcantarillas Celulares	m³	110,302	3.428.232	378.140.806	4.043.574	446.014.299	3.853.571	425.056.588	4.194.399	462.650.598	3.379.979	372.818.444	4.493.248	495.614.241
3.2.9	Demolicion de Cabeceras de Alcantarillas Celulares	m³	55,151	332.298	18.326.594	285.834	15.764.031	386.997	21.343.272	717.729	39.583.472	549.019	30.278.947	403.287	22.241.681

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3.3 PUENTES															
3.3.1	Fresado de Carpeta de Concreto Asfáltico en tablero	m³	30,000	176.858	5.305.755	167.015	5.010.450	183.609	5.508.270	141.897	4.256.910	320.005	9.600.150	222.065	6.661.950
3.3.2	Carpeta de Concreto Asfáltico	m³	30,000	2.573.483	77.204.480	2.220.429	66.612.870	3.361.908	100.857.240	2.512.885	75.386.550	3.096.884	92.906.520	3.462.911	103.887.330
3.3.3	Riego de Liga	m²	30,000	6.300	188.998	6.510	195.300	6.486	194.580	6.595	197.850	31.053	931.590	5.371	161.130
3.3.4	Junta de Dilatación	m	40,000	2.102.327	84.093.071	2.798.417	111.936.680	1.701.010	68.400.400	2.258.914	90.356.560	929.750	37.190.000	3.398.409	135.936.360
3.4 OTRAS OBRAS DE DRENAJE															
3.4.1	Paso salvacunetas con sumidero	m	130,430	1.927.296	251.377.216	2.166.288	282.548.944	4.434.938	578.448.963	4.902.310	639.408.293	3.125.238	407.624.792	3.807.722	496.641.180
3.4.2	Cordón de hormigón simple en plataforma	m	50,000	157.491	7.874.557	140.802	7.040.100	152.805	7.640.250	163.042	8.152.100	226.888	11.344.400	202.090	10.104.500
3.4.3	Bajante de terraplén	m	20,000	306.880	6.137.602	518.849	10.376.980	517.810	10.356.200	786.773	15.735.460	442.199	8.843.980	563.763	11.275.260
3.4.4	Dispositivo de drenaje simple en terraplén	ud	2,000	3.365.193	6.730.385	5.338.639	10.677.278	2.702.135	5.404.270	1.938.895	3.877.790	816.537	1.633.074	5.364.561	10.729.122
3.4.5	Limpieza de Alcantarillas	m	1.484,000	257.541	382.190.910	237.562	352.542.008	208.512	309.431.808	41.709	61.896.156	158.370	235.021.080	38.543	57.197.812
4 OBRAS COMPLEMENTARIAS															
4.1 Alambrados															
4.1.1	Construcción de alambrado	m	2.167,990	35.922	77.877.724	49.288	106.855.891	36.936	80.076.879	40.833	88.525.536	46.462	100.729.151	41.117	89.141.245
4.1.2	Retirada de alambrados	m	2.168,010	15.558	33.730.883	24.372	52.838.740	16.243	35.214.986	18.398	39.887.048	5.389	11.683.406	22.250	48.238.223
4.2 Señalización Horizontal															
4.2.1	Pintura Termoplástica blanca o amarilla	m²	24.494.816	86.531	2.119.554.709	108.071	2.647.179.245	87.900	2.153.094.314	117.307	2.873.413.364	108.429	2.655.948.389	86.718	2.124.141.442
4.2.2	Pintura de Impresión Acrilica Negra	m²	40.824.693	75.954	3.100.785.909	24.336	993.509.731	62.123	2.536.152.409	89.959	3.672.548.566	115.697	4.723.294.517	53.561	2.186.611.387
4.2.3	Señalización Vertical	m²	384.990	1.573.000	605.589.270	1.765.337	679.637.092	1.757.000	676.427.430	1.936.620	745.579.334	1.483.296	571.054.127	1.733.365	667.328.191
4.2.4	Tachas Reflectivas Bidireccionales	un	7.091,000	29.545	209.506.037	34.526	244.823.866	28.865	204.681.715	27.765	196.881.615	23.732	168.283.612	29.331	207.986.121
4.2.5	Tachas Reflectivas Monodireccionales	un	4.453,000	27.293	121.536.149	34.526	153.744.278	28.025	124.795.325	27.765	123.637.545	23.732	105.678.596	29.331	130.610.943
4.2.6	Tachas reflectivas "Tachones"	un	445,000	87.548	38.958.722	70.776	31.495.320	89.733	39.931.185	81.907	36.448.615	58.739	26.138.855	81.616	36.319.120
4.2.7	Mojón de Kilometraje	un	54,000	1.573.000	84.942.000	1.230.808	66.463.632	1.270.060	68.583.240	1.235.550	66.719.700	370.824	20.024.496	1.147.735	61.977.690
4.2.8	Porticos de Señalización	un	1,000	63.063.000	63.063.000	52.194.811	52.194.811	65.573.750	65.573.750	83.295.479	83.295.479	56.958.546	56.958.546	66.858.382	66.858.382
4.5 Barandas y pretilles															
4.5.1	Barrera metálica nivel de contención H1	m	160,000	641.891	102.702.600	599.538	95.926.080	533.099	85.295.840	1.023.466	163.754.560	535.954	85.752.640	568.295	90.927.200
4.5.2	Pretilles de puente con nivel de contención H2	m	150,000	1.716.000	257.400.000	1.522.672	228.400.800	1.790.435	268.565.250	3.573.376	536.006.400	3.011.327	451.699.050	1.831.178	274.676.700
4.6 SERVICIOS															
4.6.1	Caseta de refugio en dársena de buses	ud	12,000	25.326.357	303.916.279	83.903.711	1.006.844.532	73.188.411	878.260.932	56.324.434	675.893.208	46.584.806	559.017.672	66.094.204	793.130.448
4.6.2	Revestimiento de suelo orgánico y semillado	m²	183.911,386	9.204	1.692.736.810	9.447	1.737.410.865	9.620	1.769.227.534	14.540	2.674.071.554	4.228	777.577.340	9.307	1.711.663.271
4.6.3	Traslado de estructuras eléctricas, Servicio Público	m	637,070	519.728	331.103.435	182.130	116.029.559	538.395	342.995.303	144.372	91.975.070	394.488	251.316.470	325.804	207.559.954
4.6.4	Traslado de estructuras de comunicaciones, Servicio Público	m	637,070	177.867	113.313.904	205.392	130.849.081	183.607	116.970.511	205.011	130.606.358	400.457	255.119.141	325.804	207.559.954
4.6.5	Mantenimiento de Caminos Auxiliares	mes	20,000	115.606.706	2.312.134.110	249.577.764	4.991.555.280	390.113.220	7.802.264.400	215.179.135	4.303.582.700	131.360.009	2.627.200.180	205.346.612	4.106.932.240
4.6.6	Instalación y servicios especializados	gl	1,000	1.064.368.151	1.064.368.151	1.036.200.000	1.036.200.000	2.367.736.634	2.367.736.634	1.600.945.424	1.600.945.424	1.975.794.953	1.975.794.953	1.773.092.734	1.773.092.734
6 GESTIÓN AMBIENTAL Y SOCIAL															
6.1	Servicios Ambientales	gl	1,000	2.877.997.130	2.877.997.130	2.527.200.002	2.527.200.002	3.230.249.816	3.230.249.816	3.273.319.935	3.273.319.935	3.524.867.945	3.524.867.945	3.456.114.526	3.456.114.526
6.2	Plan de Gestión Ambiental	gl	1,000	689.198.850	689.198.850	1.912.500.000	1.912.500.000	669.686.072	669.686.072	2.212.536.141	2.212.536.141	1.703.369.034	1.703.369.034	3.884.622.044	3.884.622.044
7 MOVILIZACIÓN															
7.1	Movilización	gl	1,000	8.633.991.391	8.633.991.391	7.763.640.744	7.763.640.744	9.585.207.479	9.585.207.479	9.754.493.404	9.754.493.404	10.037.990.015	10.037.990.015	9.395.262.789	9.395.262.789
PRECIO TOTAL CORREGIDO (Gs.)					287.799.713.029		290.727.869.102		322.919.513.514		327.332.738.650		337.449.068.468		339.001.236.768
PRECIO TOTAL (INDICADO EN EL ACTA DE APERTURA) (Gs.)					287.799.713.029		290.727.870.196		322.919.494.648		327.332.719.444		337.449.052.275		339.001.214.147
DIFFERENCIA ENTRE EL PRECIO TOTAL CORREGIDO Y EL ACTA DE APERTURA (Gs.)					0		-1.094		18.866		19.206		16.193		22.621
PRECIO DE REFERENCIA (MEMO UEP CAF N° 034/2023, PUBLICADO EN EL PORTAL DE LA DNCP) (Gs.)					287.799.713.029		287.799.713.029		287.799.713.029		287.799.713.029		287.799.713.029		287.799.713.029
DIFFERENCIA (Gs.)					0		2.928.156.073		35.119.800.485		39.533.025.621		49.649.355.439		51.201.523.739
DIFFERENCIA (%)					0%		1,02%		12%		14%		17%		18%

OBS: FUERON SOLICITADAS LAS CORRECCIONES ARITMETICAS A LAS OFERTAS MÁS BAJAS, CONFORME A LA METODOLOGIA DE EVALUACIÓN ADOPTADA