ANEXO 2

Planilla Comparativa de cantidades y precios

"LICITACION PUBLICA NACIONAL DE FIRMAS CONSTRUCTORAS

ITEM Nº	Código de Catálogo	ITEM EETT	DESCRIPCION	UNIDAD DE MEDIDA	CANTIDAD CONTRACTUAL	CANTIDAD CONVENIO MODIFICATORIO Nº1	% CMNº1	CANTIDAD CONVENIO MODIFICATORIO Nº2	% CMNº2
			MOVIMIENTO DE SUELOS						
1		1	Desbosque desbroce y despeje	ha	167.25	167.25	0.66%	140.37	0.55%
2		2	Excavación de zanjas de drenaje	m3	8,550.00	8,550.00	0.07%	5,000.00	0.04%
3		3	Remoción de estructuras existentes	gl	1.00	1.00	0.04%	1.00	0.04%
4		4	Terraplen	m3	1,439,181.21	2,426,500.00	36.14%	2,685,883.45	40.00%
		4.1	Cal de Aporte	ton	12,000.00	30,000.00	11.28%	26,802.63	10.08%
5		5	Excavación no clasificada	m3	38,888.14	38,888.14	0.32%	15,067.03	0.12%
6		6	Excavación de bolsones	m3	36,564.98	60,000.00	0.49%	179,513.80	1.48%
		ITEM	PAQUETE ESTRUCTURAL						
7		7.1	Carpeta de Concreto Asfáltico	m3	32,080.23	29,280.40	12.73%	27,900.00	12.13%
8		8	Tratamiento Superficial simple en calzada (espesor 1 cm)	m2	287,093.93	0.00	0.00%	0.00	0.00%
9		9	Base estabilizado granular (espesor 20 cm.) C.B.R 100%	m3	172,545.30	166,726.44	20.19%	154,027.24	18.66%
10		10	Sub base estabilizado granular (espesor 20 cm.) C.B.R 60%	m3	185,859.70	166,162.52	14.63%	162,168.92	14.28%
11		11	Imprimación asfáltica	m2	820,564.51	810,477.00	2.21%	758,795.00	2.07%
12		11.1	Riego de Liga	m2	517,344.00	810,477.00	0.59%	762,065.00	0.56%
13		12	Pavimento Tipo Empedrado en Accesos	m2	2,466.00	0.00	0.00%	0.00	0.00%
		ITEM	OBRAS DE DRENAJE						
		13	Alcantarillas Tubulares Simples de Hormigón Armado				0.00%		0.00%
14		13.1	A.T.H° A° 1 Ø 1,00 m	ml	48.00	89.00	0.09%	50.00	0.05%
		14	Alcantarillas Tubulares Simples de Hormigón Armado				0.00%		0.00%
15		14.1	A.C.H° A° 1 □ 1,00 m x 1,00 m	ml	786.00	263.00	0.40%	301.22	0.46%
16		14.2	A.C.H° A° 1 □ 2,00 m x 2,00 m	ml	177.00	17.00	0.05%	31.00	0.10%
17		14.3	A.C.H° A° 2 □ 2,00 m x 2,00 m	ml	520.00	202.00	0.95%	231.66	1.09%
18		14.4	A.C.H° A° 2 □ 3,00 m x 3,00 m	ml	41.00	16.00	0.14%	17.00	0.15%
19		14.5	A.C.H° A° 3 □ 3,00 m x 3,00 m	ml	80.00	52.00	0.59%	47.40	0.54%
20		14.6	A.C.H° A° 4 □ 3,00 m x 3,00 m	ml	14.00	0.00	0.00%	0.00	0.00%
		ITEM	OBRAS COMPLEMENTARIAS						
21		15	Señalizacion Vertical	m2	237.00	237.00	0.14%	190.00	0.11%
22		16	Pórtico de señalización	un	2.00	4.00	0.10%	4.00	0.10%
23		17	Señalizacion Horizontal	m2	21,306.08	21,306.08	0.35%	21,306.08	0.35%
24		18	Empastado de taludes - Islas en Intersecciones	m2	192,079.56	640,000.00	1.92%	640,000.00	1.92%
25		19	Protección en áreas de préstamos	un	14.00	14.00	0.10%	14.00	0.10%
26		20	Alambrado a construir	ml	1,600.00	1,600.00	0.02%	1,600.00	0.02%
27		21	Alambrado a trasladar	ml	34,100.00	24,000.00	0.24%	18,000.00	0.18%
28		22	Sistema de iluminación en Intersecciones	un	5.00	5.00	0.41%	5.00	0.41%
29		23	Baranda para Defensa Metálica	ml	17,608.00	0.00	0.00%	0.00	0.00%
30		24	Caseta de Resguardo Peatonal	un	12.00	12.00	0.11%	12.00	0.11%
31		25	Tachas Reflectivas Bidireccionales	un	45,510.00	0.00	0.00%	0.00	0.00%
32		26	Cordón de Hormigón Simple	ml	2,911.00	2,911.00	0.06%	500.20	0.01%
33		27	Cordón Cuneta de Hormigón	ml	6,160.00	6,160.00	0.40%	205.50	0.01%
34		28	Traslado de Columnas y Líneas de Ande	km	24.30	24.30	0.11%	13.00	0.06%
35		29	Mojón de Kilometraje	un	68.00	68.00	0.02%	68.00	0.02%
		ITEM	MOVILIZACIÓN						
36		30	Movilización	gl	1.00	1.00	2.95%	1.00	2.95%
37		31	Instalaciones y Servicios	gl	1.00	1.33	1.94%	1.45	2.12%
38		32	Indemnización de Terreno	gl	1.00	1.60	0.69%	1.60	0.69%
39		33	Implementación del PGA	gl	1.00	1.00	1.37%	1.00	1.37%
40		34	Obras de Seguridad Vial	gl	1.00	1.00	1.09%	1.00	1.09%
		ITEM	ITEMS NUEVOS - CONVENIO MODIFICATORIO N° 1						
41		13.2	A.T.H° A° 1 Ø 0,80 m	ml	0.00	412.00	0.32%	20.00	0.02%
42		14.1.1	A.C.H° A° 2 □ 1,00 m x 1,00 m	ml	0.00	415.00	1.07%	365.50	0.95%
43		14.1.2	A.C.H° A° 1 □ 1,50 m x 1,50 m	ml	0.00	151.00	0.26%	188.14	0.33%
44		14.1.3	A.C.H° A° 2 □ 1,50 m x 1,50 m	ml	0.00	232.00	0.69%	244.02	0.73%
45		14.1.4	A.C.H° A° 2 □ 2,50 m x 2,50 m	ml	0.00	23.00	0.12%	21.10	0.11%
46		14.1.5	A.C.H° A° 3 □ 1,50 m x 1,50 m	ml	0.00	51.00	0.24%	44.00	0.21%
47		14.1.6	A.C.H° A° 3 □ 2,00 m x 2,00 m	ml	0.00	134.00	0.75%	134.60	0.75%
48		14.1.7	A.C.H° A° 3 □ 2,50 m x 2,50 m	ml	0.00	18.00	0.15%	17.10	0.14%
49		35	Cañería de 2" y conexiones	ml	0.00	5,000.00	0.14%	4,053.00	0.11%
50		36	Carpeta de Concreto Asfáltico en Banquina , e=2,0 cm	m3	0.00	5,550.00	2.41%	5,400.00	2.35%
51		37	Proteccion de Taludes en Puentes sobre A° Paray y San Juan	gl	0.00	1.00	0.23%	0.00	0.00%
		ITEM	ITEMS NUEVOS - CONVENIO MODIFICATORIO N° 2						
52		38	Proteccion de Talud tipo Rip Rap	m3	0.00	0.00	0.00%	1,530.00	0.19%
53		39	Prefiltro para Rip Rap	m3	0.00	0.00	0.00%	765.00	0.10%
		ITEM	ITEMS NUEVOS - CONVENIO MODIFICATORIO N° 3						
54		40	A.C.H° A° 3 □ 4,50 x 4,50	ml	0.00	0.00	0.00%	0.00	0.00%
55		41	Berma de Proteccion del Pie de Talud del Terraplen con Piedra Bruta (LD)	m3	0.00	0.00	0.00%		0.00%
56		42	Proteccion del Talud del Terraplen con Colchon Reno e = 0,23 m con Geotextil de 200 gr/m2 (LD)	m2	0.00	0.00	0.00%	0.00	0.00%
							119.99%		119.99%

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% AUMENTO del CMNº1 con respecto al Cor
% AUMENTO del CMNº2 con respecto al Cor
% AUMENTO del CMNº3 con respecto al CMI
% AUMENTO del CMNº3 con respecto al Cor

CONVENIO MODIFICATORIO No. 3
PARA EL MEJORAMIENTO DE LA RUTA DEPARTAMENTAL VILLETA - ALBERDI, TRAMO KM 40 - ALBERDI"

ANEXO 2

CANTIDAD CONVENIO MODIFICATORIO Nº 3	% CMN°3	PRECIO UNITARIO (Iva Incluido)	PRECIO TOTAL CONTRACTUAL (Iva Incluido)	PRECIO TOTAL CONVENIO MODIFICATORIO Nº1 (Iva Incluido)	AUMENTO/ DISMINUCION DE MONTOS - CMN°1	% Aumento CMN°1	PRECIO TOTAL CONVENIO MODIFICATORIO Nº2 (Iva Incluido)	AUMENTO/ DISMINUCION DE MONTOS - CMN°2	% Aumento CMN°2	PRECIO TOTAL CONVENIO MODIFICATORIO Nº3 (Iva Incluido)	AUMENTO/ DISMINUCION DE MONTOS - CMN°3	% Au CM
140.37	0.55%	9,072,360	1,517,352,210	1,517,352,210	0	0.00%	1,273,487,173	-243,865,037	-0.11%	1,273,487,173	-243,865,037	-0.1
5,000.00	0.04%	20,110	171,940,500	171,940,500	0	0.00%	100,550,000	-71,390,500	-0.03%	100,550,000	-71,390,500	-0.0
1.00	0.04%	83,112,898	83,112,898	83,112,898	0	0.00%	83,112,898	0	0.00%	83,112,898	0	0.0
2,528,961.92	37.67%	34,370	49,464,658,188	83,398,805,000	33,934,146,812	14.71%	92,313,814,005	42,849,155,817	18.57%	86,920,421,140	37,455,762,952	16.2
25,600.00	9.63%	867,822	10,413,864,000	26,034,660,000	15,620,796,000	6.77%	23,259,911,885	12,846,047,885	5.57%	22,216,243,200	11,802,379,200	5.1
15,067.03	0.12%	19,016	739,574,647	739,574,647	0	0.00%	286,544,777	-453,029,870	-0.20%	286,544,777	-453,029,870	-0.2
179,513.80	1.48%	19,018	695,392,790	1,141,080,000	445,687,210	0.19%	3,413,993,448	2,718,600,658	1.18%	3,413,993,448	2,718,600,658	1.18
26,700.00	11.61%	1,003,447	32,190,810,553	29,381,329,539	-2,809,481,014	-1.22%	27,986,171,300	-4,194,639,253	-1.82%	26,792,034,900	-5,398,775,653	-2.34
0.00	0.00%	8,282	2,377,711,928	0	-2,377,711,928	-1.03%	0	-2,377,711,928	-1.03%	0	-2,377,711,928	-1.03
146,000.00	17.68%	279,511	48,256,260,448	46,601,873,971	-1,654,386,477	-0.72%	43,052,307,880	-5,203,952,568	-2.26%	40,806,606,000	-7,447,654,448	-3.23
154,000.00	13.56%	203,158	37,758,884,933	33,757,245,238	-4,001,639,695	-1.73%	32,945,913,449	-4,812,971,484	-2.09%	31,286,332,000	-6,472,552,933	-2.80
756,000.00	2.06%	6,286	5,158,068,510	5,094,658,422	-63,410,088	-0.03%	4,769,785,370	-388,283,140	-0.17%	4,752,216,000	-405,852,510	-0.18
756,000.00	0.55%	1,681	869,655,264	1,362,411,837	492,756,573	0.21%	1,281,031,265	411,376,001	0.18%	1,270,836,000	401,180,736	0.17
0.00	0.00%	43,367	106,992,342	0	-106,992,342	-0.05%	0	-106,992,342	-0.05%	0	-106,992,342	-0.05
	0.00%		0	0	0	0.00%	0	0	0.00%	0	0	0.00
0.00	0.00%	2,379,268	114,204,864	211,754,852	97,549,988	0.04%	118,963,400	4,758,536	0.00%	0	-114,204,864	-0.05
	0.00%		0	0	0	0.00%	0	0	0.00%	0	0	0.00
354.00	0.54%	3,521,100	2,767,584,600	926,049,300	-1,841,535,300	-0.80%	1,060,625,742	-1,706,958,858	-0.74%	1,246,469,400	-1,521,115,200	-0.66
31.00	0.10%	7,173,824	1,269,766,848	121,955,008	-1,147,811,840	-0.50%	222,388,544	-1,047,378,304	-0.45%	222,388,544	-1,047,378,304	-0.45
187.90	0.88%	10,816,904	5,624,790,080	2,185,014,608	-3,439,775,472	-1.49%	2,505,843,981	-3,118,946,099	-1.35%	2,032,496,262	-3,592,293,818	-1.56
17.00	0.15%	20,032,345	821,326,145	320,517,520	-500,808,625	-0.22%	340,549,865	-480,776,280	-0.21%	340,549,865	-480,776,280	-0.21
47.40	0.54%	26,095,051	2,087,604,080	1,356,942,652	-730,661,428	-0.32%	1,236,905,417	-850,698,663	-0.37%	1,236,905,417	-850,698,663	-0.37
0.00	0.00%	33,844,894	471,028,516	0	-471,028,516	-0.20%	0	-471,028,516	-0.20%	0	-471,028,516	-0.20
157.00	0.09%	1,386,055	328,495,035	328,495,035	0	0.00%	263,350,450	-65,144,585	-0.03%	217,610,635	-110,884,400	-0.05
3.00	0.08%	60,482,400	120,964,800	241,929,600	120,964,800	0.05%	241,929,600	120,964,800	0.05%	181,447,200	60,482,400	0.03
21,000.00	0.34%	37,802	805,412,436	805,412,436	0	0.00%	805,412,436	0	0.00%	793,842,000	-11,570,436	-0.01
570,000.00	1.71%	6,930	1,331,111,351	4,435,200,000	3,104,088,649	1.35%	4,435,200,000	3,104,088,649	1.35%	3,950,100,000	2,618,988,649	1.13
14.00	0.10%	15,876,630	222,272,820	222,272,820	0	0.00%	222,272,820	0	0.00%	222,272,820	0	0.00
1,600.00	0.02%	33,719	53,950,400	53,950,400	0	0.00%	53,950,400	0	0.00%	53,950,400	0	0.00
18,000.00	0.18%	23,311	794,905,100	559,464,000	-235,441,100	-0.10%	419,598,000	-375,307,100	-0.16%	419,598,000	-375,307,100	-0.16
2.00	0.16%	189,007,500	945,037,500	945,037,500	0	0.00%	945,037,500	0	0.00%	378,015,000	-567,022,500	-0.25
0.00	0.00%	195,308	3,438,983,264	0	-3,438,983,264	-1.49%	0	-3,438,983,264	-1.49%	0	-3,438,983,264	-1.49
12.00	0.11%	21,798,865	261,586,380	261,586,380	0	0.00%	261,586,380	0	0.00%	261,586,380	0	0.00
0.00	0.00%	26,981	1,318,925,310	0	-1,318,925,310	-0.57%	0	-1,318,925,310	-0.57%	0	-1,318,925,310	-0.57
500.20	0.01%	45,527	132,529,097	132,529,097	0	0.00%	22,772,605	-109,756,492	-0.05%	22,772,605	-109,758,492	-0.05
50.00	0.00%	148,507	914,803,120	914,803,120	0	0.00%	30,518,189	-884,284,931	-0.38%	7,425,350	-907,377,770	-0.39
13.00	0.06%	10,080,400	244,953,720	244,953,720	0	0.00%	131,045,200	-113,908,520	-0.05%	131,045,200	-113,908,520	-0.05
63.00	0.02%	830,025	42,841,700	42,841,700	0	0.00%	42,841,700	0	0.00%	39,691,575	-3,150,125	0.00
1.00	2.95%	6,804,270,000	6,804,270,000	6,804,270,000	0	0.00%	6,804,270,000	0	0.00%	6,804,270,000	0	0.00
1.40	2.04%	3,369,676,112	3,369,676,112	4,481,669,229	1,111,993,117	0.48%	4,886,030,362	1,516,354,250	0.66%	4,717,546,557	1,347,870,445	0.58
1.60	0.69%	1,000,000,000	1,000,000,000	1,600,000,000	600,000,000	0.26%	1,600,000,000	600,000,000	0.26%	1,600,000,000	600,000,000	0.26
1.00	1.37%	3,150,125,000	3,150,125,000	3,150,125,000	0	0.00%	3,150,125,000	0	0.00%	3,150,125,000	0	0.00
1.00	1.09%	2,520,100,000	2,520,100,000	2,520,100,000	0	0.00%	2,520,100,000	0	0.00%	2,520,100,000	0	0.00
20.00	0.02%	1,796,254	0	740,056,648	740,056,648	0.32%	35,925,080	35,925,080	0.02%	35,925,080	35,925,080	0.02
385.50	0.95%	5,966,484	0	2,476,090,860	2,476,090,860	1.07%	2,180,749,902	2,180,749,902	0.95%	2,180,749,902	2,180,749,902	0.95
206.80	0.36%	4,010,069	0	605,520,419	605,520,419	0.26%	754,454,382	754,454,382	0.33%	829,282,269	829,282,269	0.36
293.00	0.88%	6,903,393	0	1,601,587,176	1,601,587,176	0.69%	1,684,585,960	1,684,585,960	0.73%	2,022,694,149	2,022,694,149	0.88
21.10	0.11%	11,849,348	0	272,535,004	272,535,004	0.12%	250,021,243	250,021,243	0.11%	250,021,243	250,021,243	0.11
56.20	0.27%	10,881,690	0	554,966,190	554,966,190	0.24%	478,794,360	478,794,360	0.21%	611,550,978	611,550,978	0.27
145.50	0.81%	12,901,647	0	1,728,820,698	1,728,820,698	0.75%	1,736,561,686	1,736,561,686	0.75%	1,877,189,639	1,877,189,639	0.81
17.10	0.14%	18,915,263	0	340,474,734	340,474,734	0.15%	323,450,997	323,450,997	0.14%	323,450,997	323,450,997	0.14
4,053.00	0.11%	64,893	0	324,465,000	324,465,000	0.14%	263,011,329	263,011,329	0.11%	263,011,329	263,011,329	0.11
5,030.00	2.19%	1,003,447	0	5,569,130,850	5,569,130,650	2.41%	5,418,613,800	5,418,613,800	2.35%	5,047,338,410	5,047,338,410	2.19
0.00	0.00%	527,332,670	0	527,332,670	527,332,670	0.23%	0	0	0.00%	0	0	0.00
0.00	0.00%	280,729	0	0	0	0.00%	429,515,461	429,515,461	0.19%	0	0	0.00
0.00	0.00%	311,494	0	0	0	0.00%	238,293,247	238,293,247	0.10%	0	0	0.00
43.00	1.19%	64,117,362	0	0	0					0	0	0.00
17,640.00	2.80%	365,692	0	0	0					0	0	0.00
16,100.00	1.94%	278,773	0	0	0					2,757,046,566	2,757,046,566	1.19
	119.99%	TOTALES	230,761,527,489	276,891,898,488	46,130,370,999	19.99%	276,891,898,488	46,130,370,999	19.99%	6,450,806,880	6,450,806,880	2.80
tractual										4,488,245,300	4,488,245,300	1.94
tractual						19.99%				276,891,898,488	46,130,370,999	19.99
°2									19.99%			
tractual												0.00%
												119.99%