LLAMADO M.O.P.C. Nº 67-2019 R

Consorcio Constructora Asunción y Asociados

	DESCRIPCIÓN	1	2	3	4	5	6	7	8	9	
101	Movilización y Desmovilización	1.439%	1.439%								
103	Mantenimiento de Tránsito temporal y Seguridad Vial		0.084%	0.084%	0.084%	0.084%	0.084%	0.084%	0.084%	0.084%	0.
104	Cartel de Obra		0.056%								
201	Desbosque, Desbroce y Despejo	0.107%	0.091%	0.117%	0.089%	0.016%		0.086%	0.031%	0.214%	
202	Excavación no Clasificada		0.055%			0.726%					
203	Excavación en Roca					1.856%	1.770%		0.421%		
204	Excavación de Bolsones		0.148%					0.172%	0.555%	0.399%	
205	Excavación de Zanjas de Drenaje		0.103%						0.128%		
206	Terraplenes		1.687%	1.721%	2.146%	2.786%	1.096%	0.623%	0.950%	1.663%	
207	Refuerzo de Subrasante (CBR ≥ 14%)					0.408%	1.423%	1.451%	1.380%	1.238%	
301	Remoción de Obras de Arte						0.074%	0.032%			
302	Remoción de Empedrado										
303	Traslado de Alambrados		0.090%	0.109%	0.122%		0.040%	0.345%		0.396%	
304	Traslado de Columnas Eléctricas				0.166%	0.068%	0.128%	0.083%	0.151%		
305	Traslado de Cañerías de Agua									0.976%	
508	Empedrado										
702	Sub Rasante con Ripio (CBR ≥ 30%)										4.
802	Relleno Granular										
806-B1	ATHºAº 1Ø 1,00 m					0.129%	0.602%	0.999%		0.112%	
806-B2	ATHºAº 2Ø1,00m				0.240%			0.202%			
806-D1	ACHºAº 1x1,0x1,0m			0.293%							
806-D2	ACHºAº 2x1,0x1,0m			0.459%							
806-E1	ACHºAº 1x1,5x1,5m			0.482%							
806-E2	ACHºAº 2x1,5x1,5m				0.552%						
806-E3	ACHºAº 3x1,5x1,5m										
808	Cunetas Revestidas de Concreto										
813	Disipadores de Energía										
1001	Señalización Vertical										
1008	Baranda Metálicas de Contención										
1103	Protección Vegetal de Taludes									0.182%	0.
1107	Protección de Áreas de Préstamos										
1108	Cordón de Concreto										
1109	Alambrado										
1111	Caseta de Resguardo Peatonal										
1203	Drenaje en Trasdos de Muro										
1204	Estribos Cerrados de HºAº (Fck=25MPA)										
1208-A	Viga Longitudinal Prefabricada L=10,00M (Fck=25MPA)										
1210	Vigas Transversales (Fck=25MPA)										
1211-A	Losetas Centrales de HºAº Prefabricadas (2,05X0,365X0,08)										
1211-B	Losetas de Borde de HºAº Prefabricadas (1,08X0,365X0,08)										
1212	Losas de HºAº Fck=25MPA (incluye Losa de aproximación y continuidad)										
1213	Capa de Rodadura de Hormigón de Cemento Portland (Fck=25MPA)										
1214	Relleno Granular Cementado										
1215	Drenaje con caño de PVC										
1216	Protección de Taludes con Piedra bruta Argamasoada										
1217	Barandas Prefabricadas de HºAº (Fck=25MPA)										
1218	Veredas de HºAº (Fck=25MPA)										
1219	Aparato de Apoyo Elastomérico										
1220	Junta Tipo Jeene										
-	Instalaciones y Servicios Especializados	0.175%	0.175%	0.175%	0.175%	0.175%	0.175%	0.175%	0.175%	0.175%	0
	ÍTEMS NUEVOS										
-	ATHºAº 1 Ø 0,80 m para accesos y boca calles										
-	Estudio de Puente Existente Prog. 15+721										
-	Macadam (Calzada e=0,20m)										
-	Riego de Liga										
-	Regularización 75 Kg/m2										
806-F3	ACHºAº 3x2,0x2.0m										
-	Señalización Horizontal										
-	Nuevo Cartel de Obra (6,00 m x 4,00 m)										
-	Carpeta de Concreto Asfáltico e=5cm										
	TOTAL MENSUAL:	1.72%	3.93%	3.44%	3.58%	6.25%	5.39%	4.25%	3.87%	5.44%	4
	TOTAL MENSUAL ACUMULADO:	1.72%	5.65%	9.09%	12.67%	18.91%	24.31%	28.56%	32.43%	37.87%	4

MINISTERIO DE OBRAS PÚBLICAS Y COMUNICACIONES

ITACION DE CAMINOS VECINALES EN LOS DEPARTAMENTOS DE SAN PEDRO, CANINDEYÚ E ITAPÚA.

LOTE 2- TRAMO: LA PAZ - JESÚS

CRONOGRAMA DE EJECUCIÓN

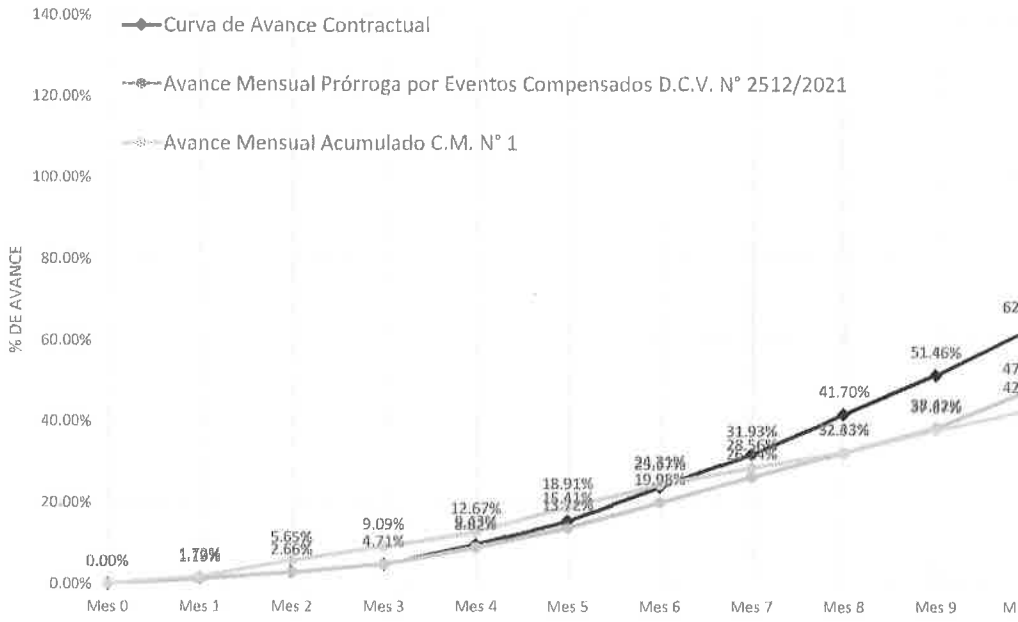
MESES DE CONTRATO

11	12	13	14	15	16	17	18	Pendiente aprobacion de CM1		1	2	3	4	5
0.084%													0.084%	0.084%
						0.276%					0.006%			
										0.071%	0.113%	0.163%		
													0.061%	
													0.023%	
													0.145%	
0.597%						0.350%	0.180%							1.499%
													0.072%	0.703%
						0.552%	0.288%			0.238%				
										0.151%	0.151%	0.339%		
										0.360%	0.180%	0.720%	1.091%	0.324%
3.336%	0.910%		0.105%	0.238%								1.069%	1.698%	
	1.681%					0.390%				0.271%	0.454%	0.481%	0.508%	1.094%
												0.235%	0.248%	0.158%
										0.038%	0.069%	0.073%	0.077%	0.067%
										0.028%	0.082%	0.087%	0.165%	0.265%
										0.088%	0.131%	0.219%	0.285%	
		2.630%	1.341%	0.303%	0.713%	0.361%	0.384%						0.483%	
				0.055%	0.078%	0.078%							0.070%	
													0.093%	0.093%
							0.062%						0.412%	1.276%
0.273%						0.552%						0.688%		
			0.404%			0.089%						1.789%		
													0.089%	0.930%
			0.266%	0.284%	0.299%	0.311%	0.011%					0.101%	0.216%	
													0.249%	0.249%
0.175%	0.175%	0.175%	0.175%	0.162%									0.262%	0.262%
												0.681%	1.362%	1.389%
												0.011%	0.022%	0.022%
											0.830%	0.830%	0.996%	1.289%
													0.440%	2.670%
													4.958%	6.086%
											0.270%	0.378%	1.350%	1.080%
													0.814%	0.814%
													0.073%	0.073%
													5.552%	5.552%
4.46%	2.97%	2.81%	2.29%	1.02%	1.09%	2.96%	0.94%	0.00%	0.00%	1.25%	2.29%	7.87%	21.90%	25.01%
47.33%	50.29%	53.10%	55.39%	56.41%	57.50%	60.46%	61.40%	61.40%	61.40%	62.65%	64.94%	72.80%	94.70%	119.71%

Consorcio Constructora Asunción S.A. y Asociados /29
RUC: 80109452-6

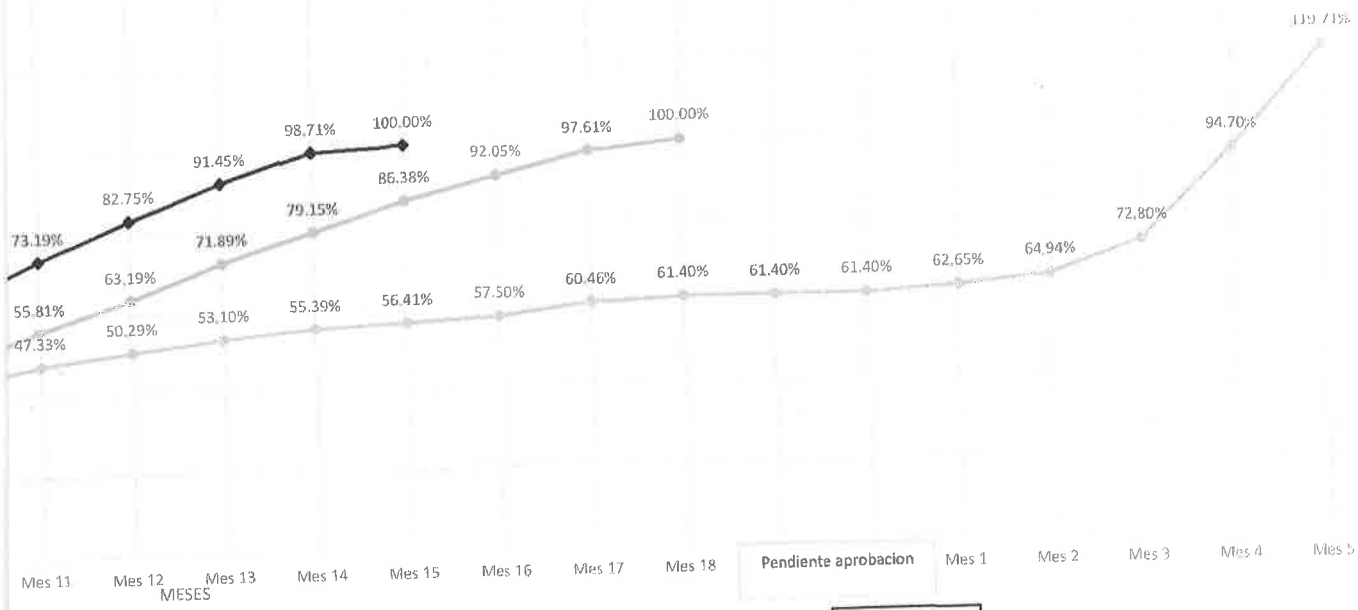
Ing. Enrique de Beitia
Representante Legal

CURVA
LOT



	Mes 1	Mes 2	Mes 3	Mes 4	Mes 5	Mes 6	Mes 7
Avance Mensual Contractual	1.19%	1.47%	2.04%	4.73%	5.98%	8.26%	8.26%
Avance Mensual Contractual Acumulado	1.19%	2.66%	4.71%	9.43%	15.41%	23.67%	31.93%
Avance Mensual Prórroga por Eventos Compensados D.C.V. N° 2512/2021	1.19%	1.47%	2.04%	4.11%	4.90%	6.26%	6.26%
Avance Mensual Acumulado Prórroga por Eventos Compensados D.C.V. N° 2512/2021	1.19%	2.66%	4.71%	8.82%	13.72%	19.98%	26.24%
Avance Mensual C.M. N° 1	1.72%	3.93%	3.44%	3.58%	6.25%	5.39%	4.25%
Avance Mensual Acumulado C.M. N° 1	1.72%	5.65%	9.09%	12.67%	18.91%	24.31%	28.56%

ANCE FÍSICO - FINANCIERO
TRAMO: LA PAZ - JESÚS



8	Mes 9	Mes 10	Mes 11	Mes 12	Mes 13	Mes 14	Mes 15	Mes 16	Mes 17	Mes 18	Pendiente aprobacion de CM1		Mes 1	Mes 2	Mes 3	Mes 4	Mes 5
7%	9.77%	11.31%	10.42%	9.55%	8.70%	7.26%	1.29%										
0%	51.46%	62.77%	73.19%	82.75%	91.45%	98.71%	100.00%										
9%	6.09%	9.13%	8.25%	7.38%	8.70%	7.26%	7.24%	5.67%	5.55%	2.39%							
3%	38.42%	47.56%	55.81%	63.19%	71.89%	79.15%	86.38%	92.05%	97.61%	100.00%							
7%	5.44%	4.99%	4.46%	2.97%	2.81%	2.29%	1.02%	1.09%	2.96%	0.94%	0.00%	0.00%	1.25%	2.29%	7.87%	21.90%	25.01%
3%	37.87%	42.86%	47.33%	50.29%	53.10%	55.39%	56.41%	57.50%	60.46%	61.40%	61.40%	61.40%	62.65%	64.94%	72.80%	94.70%	119.71%

Ing. Enrique de Beitia
Representante Legal

Consorcio Constructora
Asunción S.A. y Asociados /2
RUC: 80109452-6

Consorcio Constructora Asunción y Asociados

	DESCRIPCIÓN	1	2	3	4	5	6	7	8	9	10
101	Movilización y Desmovilización	0.173%	0.173%	0.173%							
103	Mantenimiento de Tránsito temporal y Seguridad Vial		0.047%	0.047%	0.047%	0.047%	0.047%	0.047%	0.047%	0.047%	0.047
104	Cartel de Obra										
201	Desbosque, Desbroce y Despeje		0.083%	0.083%	0.083%	0.083%	0.083%	0.083%	0.083%	0.083%	0.083
202	Excavación no Clasificada		0.010%	0.019%	0.029%	0.038%	0.048%	0.057%	0.067%	0.076%	0.11
204	Excavación de Bolsones			0.009%	0.018%	0.026%	0.035%	0.044%	0.053%	0.062%	0.07
205	Excavación de Zanjas de Drenaje			0.004%	0.009%	0.013%	0.017%	0.022%	0.026%	0.030%	0.03
206	Terraplenes				0.124%	0.247%	0.371%	0.494%	0.618%	0.741%	0.86
207	Refuerzo de Subrasante (CBR ≥ 14%)				0.039%	0.079%	0.118%	0.158%	0.197%	0.237%	0.27
301	Remoción de Obras de Arte				0.005%	0.005%	0.005%	0.005%	0.005%	0.005%	0.00
303	Traslado de Alambrados				0.217%	0.217%	0.217%	0.217%	0.217%	0.217%	0.21
304	Traslado de Columnas Eléctricas				0.104%	0.104%	0.104%	0.104%	0.104%	0.104%	0.10
305	Traslado de Cañerías de Agua				0.302%	0.302%	0.302%	0.302%	0.302%	0.302%	0.30
508	Empedrado								0.090%	0.180%	0.24
702	Sub Rasante con Ripio (CBR ≥ 30%)							0.181%	0.181%	0.181%	0.18
802	Relleno Granular							0.010%	0.019%	0.029%	0.03
806-B1	ATHºAº 1Ø 1,00 m							0.004%	0.008%	0.011%	0.01
806-B2	ATHºAº 2Ø1,00m				0.008%	0.008%		0.001%	0.001%	0.002%	0.00
806-C1	ATHºAº 1Ø1,20m							0.007%	0.013%	0.020%	0.02
806-D1	ACHºAº 1x1,0x1,0m							0.005%	0.011%	0.016%	0.02
806-D2	ACHºAº 2x1,0x1,0m							0.005%	0.010%	0.015%	0.02
806-D3	ACHºAº 3x1,0x1,0m							0.007%	0.014%	0.020%	0.02
806-E2	ACHºAº 2x1,5x1,5m							0.028%	0.056%	0.085%	0.11
806-F3	ACHºAº 3x2,0x2,0m										
806-H3	ACHºAº 3x3,0x3,0m						0.029%	0.058%	0.087%	0.116%	0.14
808	Cunetas Revestidas de Concreto						0.014%	0.014%	0.014%	0.014%	0.01
813	Disipadores de Energía										
1001	Señalización Vertical										
1008	Baranda Metálicas de Contención						0.140%	0.140%	0.140%	0.140%	0.14
1103	Protección Vegetal de Taludes						0.081%	0.081%	0.081%	0.081%	0.08
1107	Protección de Áreas de Préstamos										
1108	Cordón de Concreto						0.066%	0.066%	0.066%	0.066%	0.06
1109	Alambrado										
1111	Caseta de Resguardo Peatonal										
1201	Pilotes Preperforados de HºAº(Fck=25MPA)										
1203	Drenaje en Trasdos de Muro										
1204	Estribos Cerrados de HºAº (Fck=25MPA)										
1209-B	Viga Longitudinal Postensada L=25,00M (Fck=30MPA)										
1210	Vigas Transversales (Fck=25MPA)										
1211-A	Losetas Centrales de HºAº Prefabricadas (2,05X0,365X0,08)										
1211-B	Losetas de Borde de HºAº Prefabricadas (1,08X0,365X0,08)										
1212	Losas de HºAº Fck=25MPA (ncluye Losa de aproximación y continuidad)										
1213	Capa de Rodadura de Hormigón de Cemento Portland (Fck=25MPA)										
1214	Relleno Granular Cementado										
1215	Drenaje con caño de PVC										
1216	Protección de Taludes con Piedra bruta Argamaseada										
1217	Barandas Prefabricadas de HºAº (Fck=25MPA)										
1218	Veredas de HºAº (Fck=25MPA)										
1219	Aparato de Apoyo Elastomérico										
1220	Junta Tipo Jeene										
-	Instalaciones y Servicios Especializados	0.126%	0.126%	0.126%	0.126%	0.126%	0.126%	0.126%	0.126%	0.126%	0.1
	ÍTEMS NUEVOS										
-	ATHºAº 1 Ø 0,80 m para accesos y boca calles										
-	Estudio de Puente Existente Prog. 10+034,5										
-	Estudio de Puente Existente Prog. 15+572,5										
-	Estudio de Puente Existente Prog. 28+242										
-	Bacheo c/Macadam Empedrado existente										
-	Macadam (e=0,20 m)										
-	Drenaje en Banquinas										
-	Riego de Liga										
-	Regularización 75 Kg/m2										
-	Señalización Horizontal										
-	Nuevo Cartel de Obra (6,00 m x 4,00 m)										
-	Carpeta de Concreto Asfáltico e=5cm										
		0.30%	0.44%	0.46%	1.11%	1.29%	1.80%	2.26%	2.62%	2.99%	3
		0.30%	0.74%	1.20%	2.31%	3.60%	5.40%	7.67%	10.29%	13.28%	16

MINISTERIO DE OBRAS PÚBLICAS Y COMUNÍCACIONES
BILITACION DE CAMINOS VECINALES EN LOS DEPARTAMENTOS DE SAN PEDRO, CANINDEYÚ E ITAPÚA.
LOTE 3- TRAMO: GRAL. ARTIGAS - FRAM

CRONOGRAMA DE EJECUCIÓN

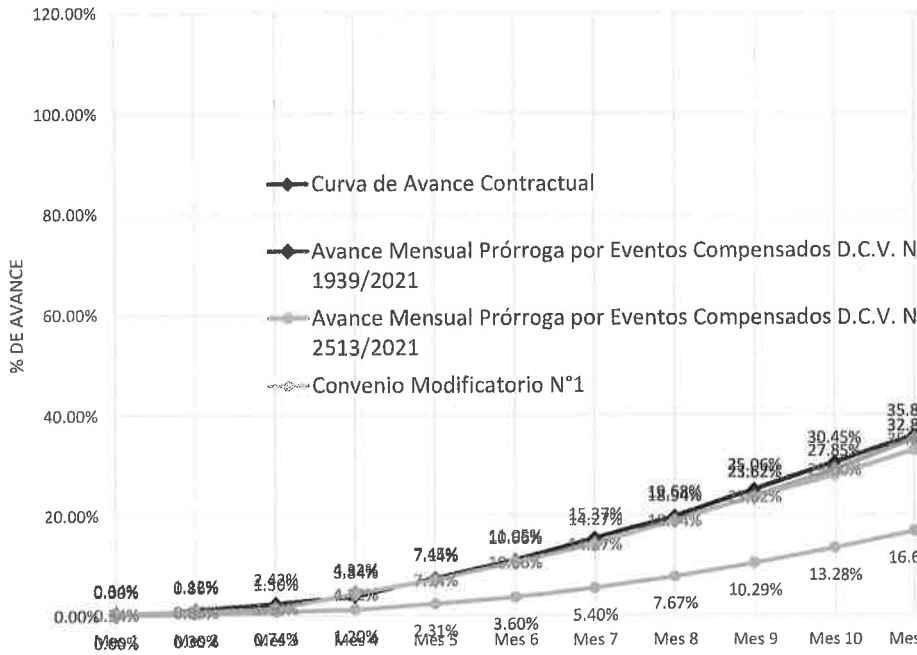
MESES DE CONTRATO — Fecha de Fin: 19/08/2022

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
													0.787%	0.787%	0.787%
0.047%	0.047%	0.047%	0.047%	0.054%											
0.083%	0.083%	0.083%	0.083%	0.083%	0.083%										
0.124%	0.133%	0.143%	0.152%	0.162%	0.171%	0.181%									
0.105%	0.114%	0.123%	0.132%	0.141%	0.149%	0.158%	0.167%								
0.052%	0.057%	0.061%	0.065%	0.070%	0.074%	0.078%	0.083%								
0.988%	1.112%	1.235%	1.235%	1.235%	1.359%	1.482%	1.606%	1.729%	1.853%	1.976%	2.100%	4.570%			
0.316%	0.355%	0.395%	0.395%	0.434%	0.473%	0.513%	0.552%	0.592%	0.631%	0.671%	0.710%	0.750%			
0.005%	0.005%	0.005%	0.005%	0.005%	0.005%	0.005%									
0.217%	0.217%	0.217%	0.217%	0.217%	0.217%	0.217%									
0.104%	0.104%	0.104%	0.104%	0.104%	0.104%	0.101%									
0.302%	0.302%	0.302%	0.302%												
0.321%	0.401%	0.481%	0.561%	0.642%	0.802%	0.962%	1.043%	1.123%	1.203%	1.283%	1.363%	1.444%	1.524%		
0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%	0.181%		
0.048%	0.058%	0.068%	0.077%	0.087%	0.106%	0.116%	0.126%	0.135%	0.145%	0.155%	0.164%	0.174%	0.184%		
0.019%	0.023%	0.026%	0.030%	0.034%	0.041%	0.045%	0.049%	0.053%	0.056%	0.060%	0.064%	0.068%	0.071%		
0.003%	0.003%	0.004%	0.004%	0.005%	0.006%	0.007%	0.007%	0.008%	0.008%	0.009%	0.009%	0.010%	0.011%		
0.033%	0.039%	0.046%	0.053%	0.059%	0.072%	0.079%	0.086%	0.092%	0.099%	0.105%	0.112%	0.118%	0.125%		
0.027%	0.032%	0.038%	0.043%	0.049%	0.059%	0.065%	0.070%	0.076%	0.081%	0.086%	0.092%	0.097%	0.102%		
0.025%	0.030%	0.035%	0.040%	0.045%	0.054%	0.059%	0.064%	0.069%	0.074%	0.079%	0.084%	0.089%	0.094%		
0.034%	0.041%	0.047%	0.054%	0.061%	0.075%	0.081%	0.088%	0.095%	0.102%	0.108%	0.115%	0.122%	0.129%		
0.141%	0.169%	0.197%	0.226%	0.254%	0.310%	0.338%	0.367%	0.395%	0.423%	0.451%	0.479%	0.508%	0.536%		
0.174%	0.203%	0.232%	0.261%	0.290%	0.290%	0.290%	0.319%	0.348%	0.377%	0.406%	0.435%	0.464%	0.493%	0.522%	0.551%
0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%
													0.075%	0.075%	0.075%
													0.763%	0.763%	
0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	0.140%	
0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	0.081%	
							0.012%	0.012%	0.012%	0.012%	0.012%	0.012%	0.012%	0.012%	
0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	0.066%	
						0.112%	0.112%	0.112%	0.112%						
0.126%	0.126%	0.094%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.106%	0.143%
	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.263%	0.525%	
	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.005%	
	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.014%	0.028%	
	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.002%	0.004%	
													0.258%	0.258%	0.258%
													0.778%	0.778%	0.778%
													0.642%	0.642%	0.642%
														0.053%	0.053%
											0.067%	0.134%	0.670%	1.207%	1.274%
3.77%	4.42%	4.75%	4.95%	4.90%	5.32%	5.76%	5.62%	5.71%	6.05%	6.27%	6.68%	9.43%	8.12%	6.06%	4.57%
20.43%	24.84%	29.59%	34.54%	39.44%	44.76%	50.52%	56.14%	61.85%	67.90%	74.17%	80.84%	90.27%	98.39%	104.46%	109.03%

Ing. Enrique de Beitia
Representante Legal

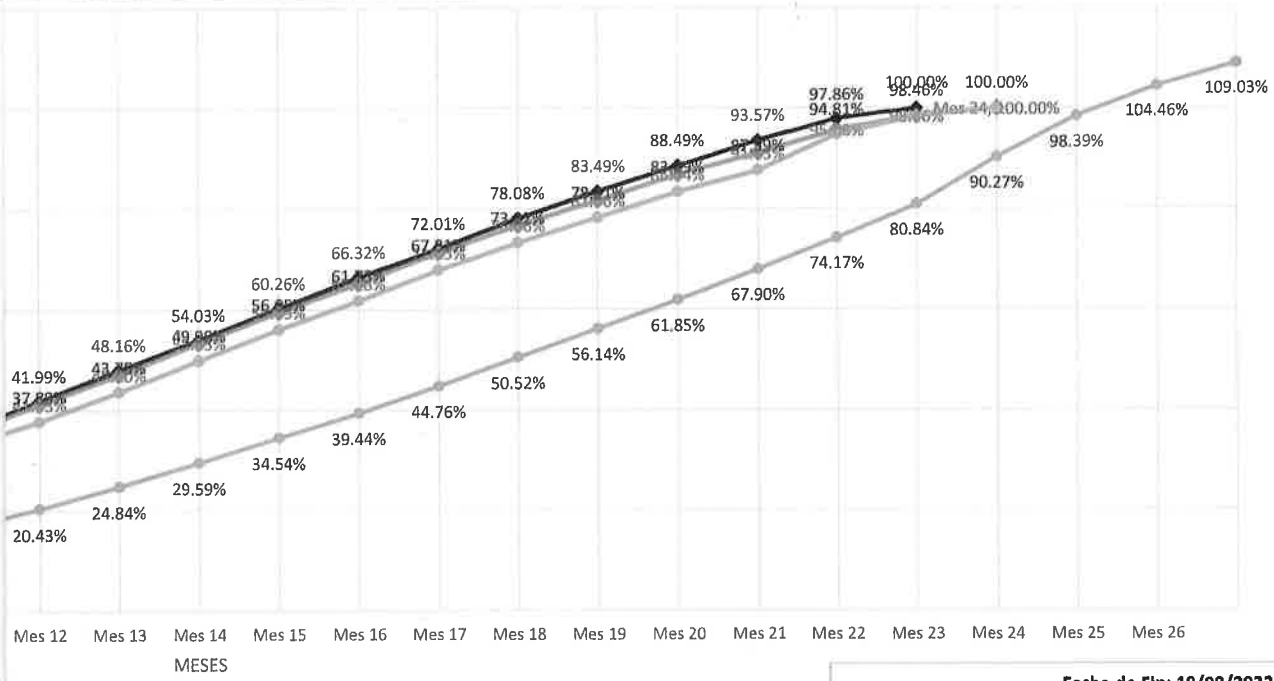
Consorcio Constructora
Asunción S.A. y Asociados /29
RUC: 80109452-6

CURVA D
LOTE 3-



	Mes 1	Mes 2	Mes 3	Mes 4	Mes 5	Mes 6	Mes 7	Mes 8	M
Avance Mensual Contractual	1.12%	1.30%	1.42%	3.60%	3.60%	4.32%	4.32%	5.38%	5
Avance Mensual Contractual Acumulado	1.12%	2.42%	3.84%	7.45%	11.05%	15.37%	19.68%	25.06%	30
Avance Mensual Prórroga por Eventos Compensados D.C.V. N° 1939/2021	0.34%	0.52%	0.64%	2.82%	2.82%	3.53%	3.61%	4.67%	4
Avance Mensual Acumulado Prórroga Por Eventos Compensados D.C.V. N° 1939/2021	0.34%	0.86%	1.50%	4.32%	7.14%	10.66%	14.27%	18.94%	23
Avance Mensual Prórroga por Eventos Compensados D.C.V. N° 2513/2021	0.34%	0.52%	0.64%	2.82%	2.82%	3.53%	3.61%	4.67%	4
Avance Mensual Acumulado Prórroga Por Eventos Compensados D.C.V. N° 2513/2021	0.34%	0.86%	1.50%	4.32%	7.14%	10.66%	14.27%	18.94%	23
Avance Mensual C.M. N° 1	0.30%	0.44%	0.46%	1.11%	1.29%	1.80%	2.26%	2.62%	2
Avance Mensual Acumulado C.M. N° 1	0.30%	0.74%	1.20%	2.31%	3.60%	5.40%	7.67%	10.29%	13

AVANCE FÍSICO - FINANCIERO
RAMO: GRAL. ARTIGAS - FRAM



Fecha de Fin: 19/08/2022

Mes 10	Mes 11	Mes 12	Mes 13	Mes 14	Mes 15	Mes 16	Mes 17	Mes 18	Mes 19	Mes 20	Mes 21	Mes 22	Mes 23	Mes 24	Mes 25	Mes 26
5.38%	6.17%	6.17%	5.87%	6.23%	6.07%	5.68%	6.08%	5.41%	4.99%	5.08%	4.29%	2.14%				
35.83%	41.99%	48.16%	54.03%	60.26%	66.32%	72.01%	78.08%	83.49%	88.49%	93.57%	97.86%	100.00%				
5.38%	6.17%	6.17%	5.87%	6.23%	6.07%	5.68%	6.08%	5.41%	4.99%	5.08%	4.29%	4.64%	2.78%	1.54%		
29.00%	35.16%	41.33%	47.20%	53.43%	59.49%	65.18%	71.25%	76.66%	81.66%	86.74%	91.03%	95.68%	98.46%	100.00%		
4.23%	5.02%	5.02%	5.87%	6.23%	6.07%	5.68%	6.08%	5.41%	4.99%	5.08%	4.29%	7.23%	3.65%	1.54%		
27.85%	32.87%	37.89%	43.75%	49.98%	56.05%	61.73%	67.81%	73.22%	78.21%	83.29%	87.59%	94.81%	98.46%	100.00%		
3.37%	3.77%	4.42%	4.75%	4.95%	4.90%	5.32%	5.76%	5.62%	5.71%	6.05%	6.27%	6.68%	9.43%	8.12%	6.06%	4.57%
16.65%	20.43%	24.84%	29.59%	34.54%	39.44%	44.76%	50.52%	56.14%	61.85%	67.90%	74.17%	80.84%	90.27%	98.39%	104.46%	109.03%

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