25(veinticinco)

MINISTERIO DE OBRAS PÚ
DIRECCION DE CA
Lote 4 – Tramo: San Francisco - Calle 60
CRONOGRAMA DE AVANCE

T	DESCRIPCIÓN	MESES DE CO						
		1	2	3	4	5	6	7
	MOVILIZACIÓN							
1.1	Movilización y Desmovilización	1.21%	1.21%					
1.2	Desbosque, Desbroce y Despeje		0.08%	0.08%	0.08%	0.08%	0.08%	0.08
1.3	Excavación no Clasificada		0.04%	0.04%	0.04%	0.04%	0.04%	0.04
1.4	Excavación de Bolsones			0.10%	0.10%	0.10%	0.10%	0.10
1.5	Excavación de Zanjas de Drenaje			0.02%	0.02%	0.02%	0.02%	0.02
1.6	Terraplén (ultima capa mejorada CBR mayor a 15)			1.02%	1.02%	1.02%	1.02%	0.98
1.7	Remoción de Obras de Arte					0.02%	0.02%	0.02
1.8	Traslado de Columnas Eléctricas				0.09%	0.09%	0.09%	0.07
1.9	Traslado de Cañerías de Agua				0.04%	0.04%	0.04%	0.03
1.10	Pavimento Tipo Empedrado							
1.11	Carpeta de Concreto Asfáltico (e=5cm)							
1.12	Riego de Liga (0,5 litros / m2)							
1.13	Imprimación con MC 30 (1,2 litros / m2)					0.24%	0.24%	0.24
1.14	Base de Macadam Hidraulico (10 cm)				0.50%	0.50%	0.50%	0.50
1.15	Sub Base de Macadam Hidráulico (15 cm)				0.75%	0.75%	0.75%	0.75
1.16	Banquina Enripiada							
1.17	Alcantarillas							
1.18	ATH°A° 1Ø0,80				0.02%	0.02%	0.02%	0.02
1.19	ACH°A° 1x1,0X1,0m							
1.20	ACH°A° 3x1,0X1,0m				0.05%	0.05%	0.05%	0.0
1.21	ACH°A° 1x1,50X1,50m				0.03%	0.03%	0.03%	0.0
1.22	ACH°A° 2x1,50x1,50m				0.15%	0.15%	0.15%	0.1
1.23	ACH°A° 2x3,0x3,0m							
1.24	ACH°A° 3x3,0x3,0m							0.2
1.25	Cunetas Revestidas de Hormigón (fck=18MPA)							
1.26	Disipadores de Energía (fck=18MPA)						0.27%	0.2
1.27	Cordón Cuneta de Hormigón (fck=25MPA)				0.08%	0.08%	0.08%	0.0
1.28	Dren de banquina (cada 30 m)							
1.29	Señalización Vertical							
1.30	Señalización horizontal							
1.31	Defensas Metálicas						0.14%	0.1
1.32	Cobertura de Cesped							
1.33	Protección de Áreas de Prestamos							0.
1.34	Cordón de Hormigón (fck=21Mpa)							
1.35	Alambrado							
1.36	Cartel de Obra	0.09%						
1.37	Instalaciones y servicios especializados	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.
2.1	Regularización en calzada 50Kg/m2 Tramo 4+560 a 11+589						0.61%	0.
2.2	Base de Macadam Hidraulico (15 cm).Tramo 0+000 a 4+650						0.58%	0.
2.3	Riego de Liga en Calzada 0+000 - 4+650						0.14%	0.
2.4	Imprimación con MC 30 (1,2 litros / m2). Tramo 0+000 a 4+650						0.21%	0.
2.5	Regularización de Concreto Asfáltico 70 Kg/m2. Tramo 0+000 a 4+650							
2.7	Macadam Banquina Tramo 4+650 a 11+589 (6.939 m)							0
2.8	Imprimación con MC 30 en Banquina (1,2 litros / m2) 4+650 - 11+590							0
2.9	Riego de Liga en Banquina 4+650 a 11+590							
2.10	Regularización de Concreto Asfáltico 50 Kg/m2							
2.12	ACH°A° 1x1,00X1,00m sin Cabeceras							0
2.13	ACH°A° 1x1,50X1,50m sin Cabeceras							0
2.14	Hormigón Armado para Cabeceras							
2.15	Camada Drenante							
2.16	Baden de Hormigón							
2.17	Sumidero de 1,00 m x 1,00 m con Rejilla de H°F°					0.02%	0.01%	
2.18						0.12%	0.10%	
2.19	ACH°A° 2x2,5x2,5 m Prog. 3+460					0.11%	0.11%	
2.20	ACH°A° 4x2,0x2,0 m Prog. 6+580					0.17%	0.16%	
2.21	ATH°A° 1 Ø 0,60 m para Acceso a Propiedades					0.12%	0.12%	
2.22	Cabeceras de H°C° para alcantarillas en accesos					0.07%	0.07%	
3.1	Excavación en Tosca							
3.2	Pedraplén							
3.3	Muro de H°C° de protección de talud							
4.1	Colocación de Alcantarillas (celular proveyó el MOPC)							
4.2	Hormigón Masa para obras complementarias							
4.3	Tachones							
4.4	Tachas reflectivas							
	TOTAL MENSUAL:	1.34%	1.37%	1.30%	3.01%	3.87%	5.77%	
	TOTAL MENSUAL ACUMULADO:	1.34%	2.71%	4.01%	7.01%	10.88%	16.65%	

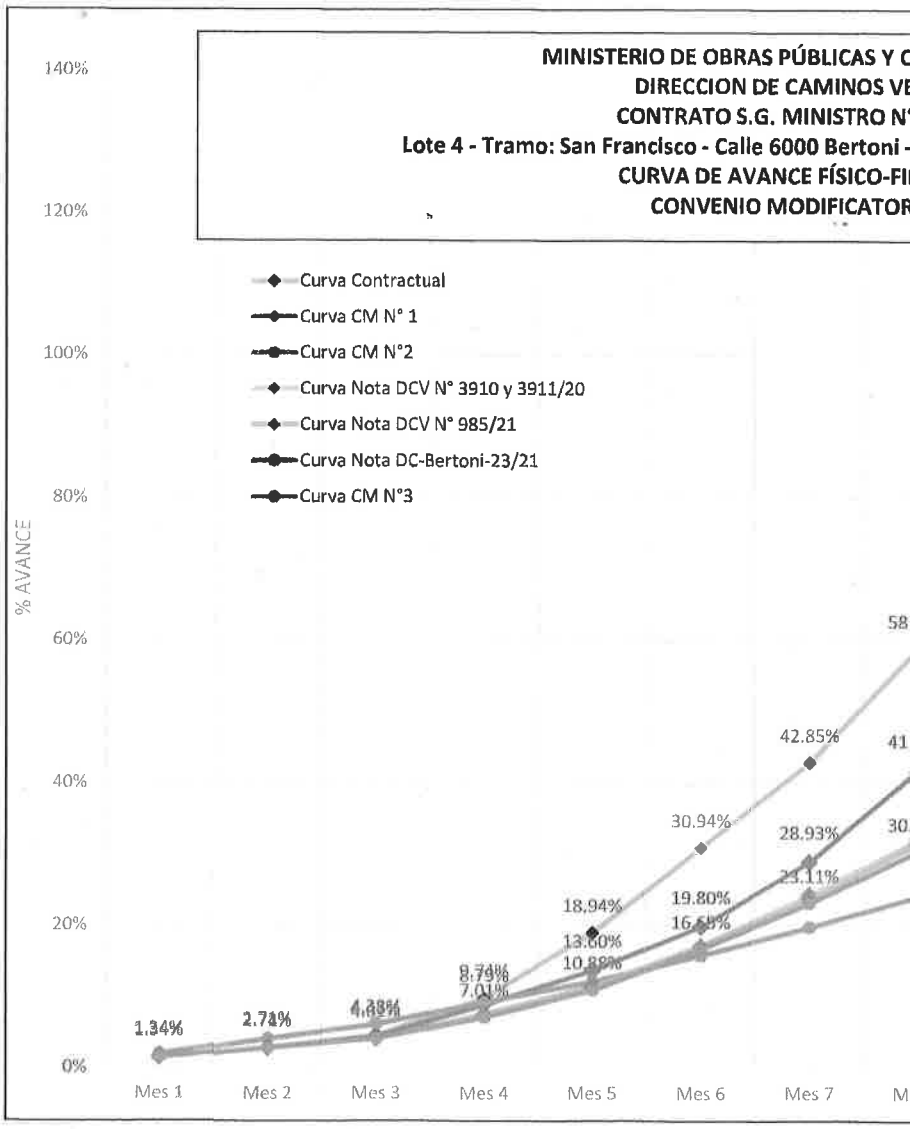
ICAS Y COMUNICACIONES
INOS VECINALES
Bertoni - Ruta Nº 10. Longitud: 11,59 km
ICO - FINANCIERO C.M. N° 3

RATO													
8	9	10	11	12	13	14	15	16	17	18	19	20	(%)
													2.43%
													0.46%
0.04%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.03%	0.02%	0.02%			0.56%
0.10%	0.10%	0.10%	0.09%	0.05%	0.05%	0.05%	0.05%						1.09%
0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%					0.24%
0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.78%	0.78%	0.78%	0.78%	0.78%	0.80%		15.55%
0.02%	0.01%	0.01%	0.01%	0.01%									0.12%
0.07%	0.07%	0.05%	0.05%	0.03%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%			0.72%
0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.37%
													0.00%
			1.28%	1.28%	1.28%	1.29%	1.29%	1.29%	1.08%	1.08%	1.09%	0.69%	11.65%
			0.48%	0.48%	0.48%	0.48%	0.50%	0.50%	0.55%	0.35%	0.30%	0.23%	4.35%
0.23%	0.23%	0.23%	0.23%	0.23%	0.23%	0.23%	0.23%	0.22%	0.17%				2.95%
0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.50%	0.53%				7.03%
0.75%	0.75%	0.75%	0.74%	0.73%	0.73%	0.73%	0.73%	0.73%	0.73%				10.37%
													0.00%
													0.00%
0.02%	0.02%	0.02%	0.02%	0.02%	0.02%								0.16%
													0.00%
0.05%	0.04%	0.04%	0.04%	0.05%	0.05%								0.47%
0.03%	0.02%	0.02%	0.02%	0.02%	0.02%								0.25%
0.15%	0.15%	0.14%	0.14%	0.14%	0.14%	0.14%							1.58%
													0.00%
													0.00%
0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.27%	0.26%	0.26%	0.26%	0.26%	0.25%	3.72%
		0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.11%
0.27%	0.27%	0.27%	0.27%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%		2.36%
0.08%	0.08%	0.08%	0.08%	0.08%	0.06%	0.06%	0.06%	0.05%					0.94%
										0.13%	0.13%	0.13%	0.40%
											0.66%	0.66%	1.32%
										0.24%	0.24%	0.23%	0.71%
0.14%	0.14%	0.14%	0.13%	0.13%	0.13%	0.13%	0.13%	0.08%	0.08%	0.08%	0.08%	0.08%	1.75%
													0.00%
0.16%	0.16%	0.16%	0.16%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%			1.37%
			0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%			0.08%
													0.09%
0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.04%	0.78%
0.61%	0.59%	0.59%	0.59%	0.54%	0.54%	0.54%	0.54%	0.54%	0.54%	0.51%	0.38%		7.73%
0.58%	0.58%	0.58%	0.58%	0.58%	0.57%	0.57%	0.57%	0.46%	0.46%	0.44%			7.14%
0.12%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%			1.47%
0.18%	0.18%	0.16%	0.16%	0.16%	0.16%	0.16%	0.16%	0.13%	0.13%				2.01%
0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%	0.67%			7.32%
0.26%	0.26%	0.26%	0.26%	0.26%	0.26%	0.24%	0.24%	0.24%	0.24%				2.78%
0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.08%	0.08%	0.08%			1.17%
0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.07%	0.05%	0.05%	0.05%	0.05%	0.05%		0.86%
0.30%	0.30%	0.30%	0.31%	0.31%	0.31%	0.26%	0.26%	0.26%	0.12%	0.12%	0.12%	0.09%	3.06%
0.02%	0.02%	0.02%	0.02%	0.01%	0.01%	0.01%	0.01%	0.01%					0.16%
0.03%	0.03%	0.03%	0.03%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%				0.23%
		0.01%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%			0.15%
	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.09%	0.09%				0.85%
					0.03%	0.03%	0.03%	0.01%	0.01%	0.01%			0.13%
0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.16%
													0.21%
0.09%	0.09%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%				1.14%
0.14%	0.14%	0.13%	0.13%	0.12%	0.12%	0.12%	0.12%	0.12%	0.12%	0.12%			1.87%
0.12%	0.12%	0.12%	0.11%	0.11%	0.11%	0.11%	0.11%	0.16%	0.16%	0.16%	0.16%	0.14%	2.06%
0.07%	0.07%	0.07%	0.07%	0.07%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	1.25%
								0.08%	0.08%	0.08%	0.08%	0.08%	0.38%
								0.26%	0.26%	0.26%	0.27%	0.29%	1.34%
								0.20%	0.20%	0.16%	0.17%	0.18%	0.90%
											0.14%	0.14%	0.27%
												0.65%	0.65%
												0.27%	0.27%
												0.41%	0.41%
5%	7.31%	7.34%	7.29%	9.02%	8.61%	8.61%	8.25%	8.11%	8.40%	7.98%	6.08%	5.18%	4.66%	119.96%
1%	30.42%	37.76%	45.04%	54.06%	62.68%	71.29%	79.54%	87.65%	96.05%	104.03%	110.11%	115.29%	119.96%	

Ing. Oscar Samaniego
Supervisor de Obras
DGV - MOPC

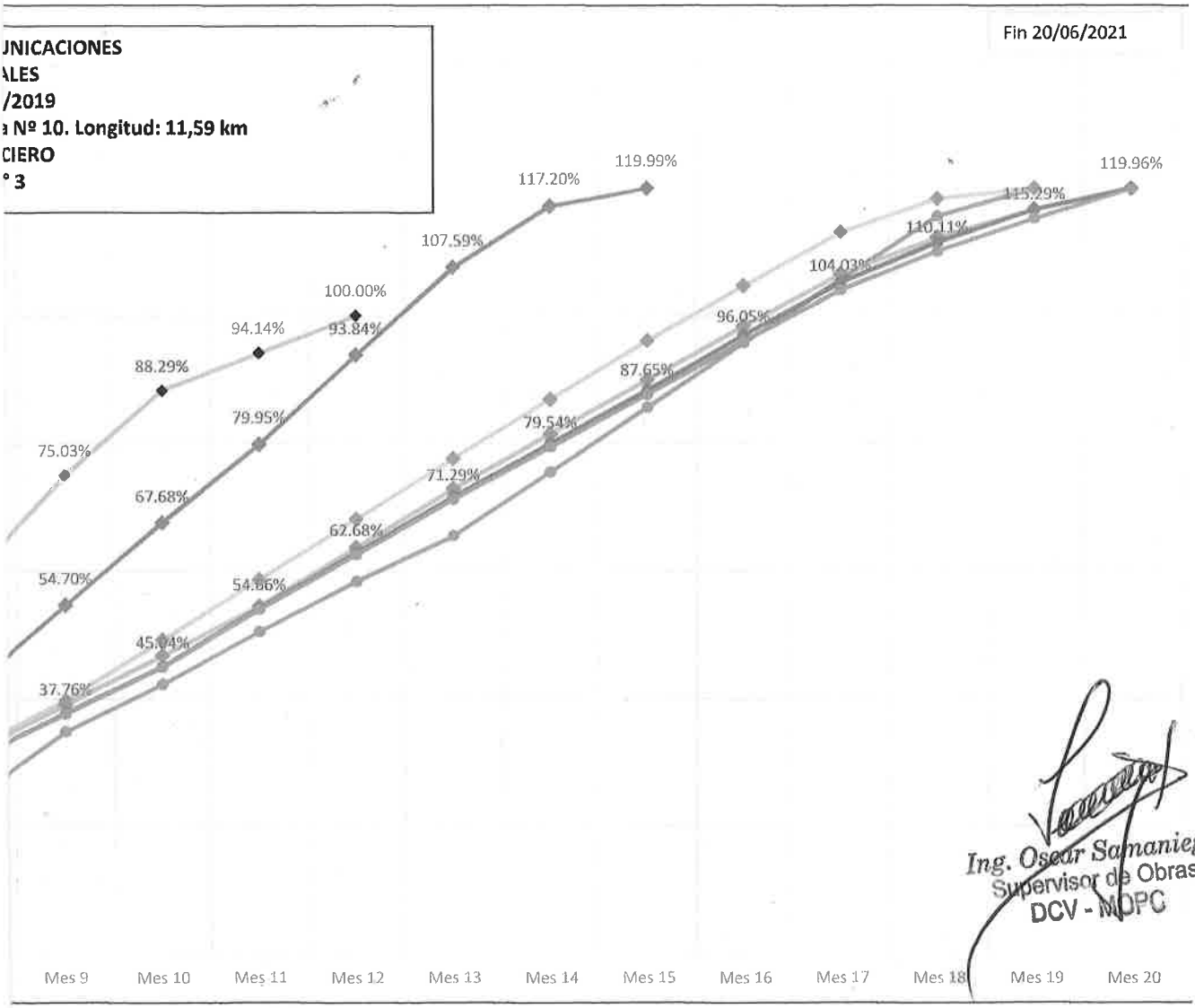
Consorcio Constructora
Asunción S.A. y Asociados 3
RUC: 80108925-5

24(veinticuatro)



O.Inicio 15/11/2019

	Mes 1	Mes 2	Mes 3	Mes 4	Mes 5	Mes 6	Mes 7
Avance Mensual Contractual	1.34%	1.39%	1.69%	5.31%	9.20%	12.00%	11.91%
Avance Mensual Acumulado Contractual	1.34%	2.74%	4.43%	9.74%	18.94%	30.94%	42.85%
Avance Mensual C. M. N° 1	1.34%	1.37%	1.67%	4.41%	4.81%	6.20%	9.13%
Avance Mensual Acumulado C.M. N°1	1.34%	2.71%	4.38%	8.79%	13.60%	19.80%	28.93%
Avance Mensual C. M. N° 2	1.91%	2.09%	2.09%	3.08%	2.90%	3.66%	4.01%
Avance Mensual Acumulado C.M. N°2	1.91%	3.99%	6.08%	9.16%	12.06%	15.72%	19.73%
Avance Mensual Notas DCV N°3910 y 3911/20	1.34%	1.37%	1.33%	3.44%	3.85%	5.80%	7.14%
Avance Mensual Acumulado	1.34%	2.71%	4.04%	7.49%	11.34%	17.14%	24.28%
Avance Mensual Nota DCV N°985/21	1.34%	1.37%	1.33%	3.43%	3.84%	5.79%	6.64%
Avance Mensual corregido Acumulado	1.34%	2.71%	4.04%	7.47%	11.31%	17.10%	23.74%
Avance Mensual Nota DC-Bertoni-23/2021	1.34%	1.37%	1.30%	3.01%	3.87%	5.77%	6.45%
Avance Mensual corregido Acumulado	1.34%	2.71%	4.01%	7.01%	10.88%	16.65%	23.10%
Avance Mensual C.M. N° 3	1.34%	1.37%	1.30%	3.01%	3.87%	5.77%	6.46%
Avance Mensual Acumulado C.M. N°3	1.34%	2.71%	4.01%	7.01%	10.88%	16.65%	23.11%



Ing. Oscar Samaniego
Supervisor de Obras
DCV - MOPC

8	Mes 9	Mes 10	Mes 11	Mes 12	Mes 13	Mes 14	Mes 15	Mes 16	Mes 17	Mes 18	Mes 19	Mes 20
%	16.09%	13.26%	5.86%	5.86%								
%	75.03%	88.29%	94.14%	100.00%								
%	12.91%	12.98%	12.27%	13.89%	13.75%	9.61%	2.79%					
%	54.70%	67.68%	79.95%	93.84%	107.59%	117.20%	119.99%					
%	10.87%	7.43%	8.22%	7.82%	7.18%	10.04%	10.04%	10.06%	9.96%	9.92%	4.38%	
%	34.94%	42.38%	50.59%	58.41%	65.59%	75.64%	85.68%	95.74%	105.70%	115.61%	119.99%	
%	7.73%	9.44%	9.45%	9.46%	9.47%	9.30%	9.09%	8.60%	8.39%	5.37%	1.59%	
%	39.83%	49.27%	58.72%	68.18%	77.65%	86.95%	96.04%	104.64%	113.03%	118.40%	119.99%	
%	7.70%	7.66%	7.67%	9.22%	9.19%	8.57%	8.44%	8.34%	8.25%	5.75%	4.37%	3.30%
%	39.23%	46.90%	54.56%	63.78%	72.98%	81.55%	89.99%	98.33%	106.57%	112.32%	116.70%	119.99%
%	7.39%	7.34%	9.07%	8.76%	8.73%	8.39%	8.26%	8.58%	8.27%	6.30%	5.19%	3.27%
%	37.82%	45.16%	54.24%	63.00%	71.73%	80.12%	88.38%	96.96%	105.23%	111.53%	116.72%	119.99%
%	7.34%	7.29%	9.02%	8.61%	8.61%	8.25%	8.11%	8.40%	7.98%	6.08%	5.16%	4.66%
%	37.76%	45.04%	54.06%	62.68%	71.29%	79.54%	87.65%	96.05%	104.03%	110.11%	115.29%	119.96%

Consorcio Constructora
Asunción S.A. y Asociados 3
RUC: 80108925-5