



TABLA DE CURVAS HORIZONTALES

Vertice	V-0	V-1	V-2	V-3	V-4	V-5	V-6	V-7	V-8	V-9	V-10	V-11	V-12	V-13	V-14
Prog.	0+000.00	0+075.74	0+228.70	0+390.88	0+911.70	2+770.64	3+539.35	3+998.72	4+380.26	5+078.79	5+505.82	6+202.13	6+446.11	6+745.87	7+290.89
Norte	5270540.45	5270594.78	5270707.09	5270795.57	5271149.83	5272394.90	5273085.64	5273510.29	5273775.66	5274417.18	5274792.71	5275495.00	5275736.70	5276032.70	5276576.18
Este	3579291.20	3579343.96	3579447.81	3579584.39	3579966.54	3581346.92	3581689.15	3581864.61	3582142.51	3582423.90	3582627.51	3582552.79	3582519.46	3582472.06	3582512.91
Δ	-	1° 24' 13"	14° 18' 27"	9° 53' 42"	0° 46' 51"	21° 35' 37"	3° 54' 25"	23° 52' 17"	22° 38' 13"	4° 46' 57"	34° 32' 25"	1° 46' 38"	1° 14' 50"	13° 23' 50"	20° 44' 11"
α	-	178° 35' 47"	194° 18' 27"	170° 06' 18"	180° 46' 51"	158° 24' 23"	176° 05' 35"	203° 52' 17"	157° 21' 47"	184° 46' 57"	145° 27' 35"	178° 13' 22"	178° 45' 10"	193° 23' 50"	200° 44' 11"
R	-	1000.00m	350.00m	550.00m	5000.00m	400.00m	3000.00m	400.00m	350.00m	3000.00m	500.00m	3000.00m	3000.00m	-	500.00m
Le1	-	0.00m	60.00m	60.00m	0.00m	100.00m	200.00m	80.00m	0.00m	100.00m	80.00m	80.00m	50.00m	-	80.00m
Le2	-	0.00m	60.00m	60.00m	0.00m	100.00m	200.00m	80.00m	60.00m	0.00m	100.00m	80.00m	50.00m	-	80.00m
Ee	-	0.08m	3.18m	2.33m	0.12m	8.27m	2.30m	9.52m	7.38m	2.61m	24.48m	0.45m	0.21m	-	8.84m
Te1	-	12.25m	73.97m	77.63m	34.07m	126.45m	202.34m	124.68m	100.13m	125.28m	205.69m	86.53m	57.66m	-	131.57m
Te2	-	12.25m	73.97m	77.63m	34.07m	126.45m	202.34m	124.68m	100.13m	125.28m	205.69m	86.53m	57.66m	-	131.57m
D	-	24.50m	147.40m	154.98m	68.15m	250.75m	404.57m	246.65m	198.28m	250.41m	401.42m	173.06m	115.31m	-	260.96m
P	-	2%	6%	6%	2%	6%	2%	6%	6%	2%	6%	2%	2%	-	6%
S	-	-	0.60m	0.50m	-	0.60m	-	0.60m	0.60m	-	0.60m	-	-	-	0.60m

Vertice	V-15	V-16	V-17	V-18	V-19	V-20	V-21	V-22	V-23	V-FIN
Prog.	7+850.85	8+369.47	8+712.92	8+946.88	9+124.33	9+461.44	10+108.04	10+543.90	10+829.10	11+228.19
Norte	5277085.51	5277560.63	5277776.84	5277912.70	5278024.89	5278207.45	5278681.23	5278738.28	5279067.81	5279067.81
Este	3582750.79	3582958.73	3583233.72	3583424.22	3583561.74	3583845.33	3584498.82	3584640.30	3584945.74	3585184.93
Δ	1° 23' 54"	28° 11' 15"	2° 40' 44"	3° 42' 43"	6° 26' 16"	30° 58' 55"	70° 58' 55"	62° 05' 20"	43° 26' 44"	-
α	178° 36' 06"	208° 11' 15"	182° 40' 44"	176° 17' 17"	186° 26' 16"	210° 58' 55"	109° 07' 11"	242° 05' 20"	136° 33' 16"	-
R	5000.00m	550.00m	3000.00m	1000.00m	1000.00m	500.00m	200.00m	200.00m	200.00m	-
Le1	100.00m	150.00m	100.00m	50.00m	100.00m	100.00m	80.00m	80.00m	50.00m	-
Le2	100.00m	150.00m	100.00m	50.00m	100.00m	100.00m	80.00m	80.00m	50.00m	-
Ee	0.46m	18.83m	0.96m	0.63m	2.00m	19.71m	47.12m	34.99m	15.85m	-
Te1	111.02m	213.47m	120.15m	57.41m	106.26m	188.79m	183.24m	161.13m	104.88m	-
Te2	111.02m	213.47m	120.15m	57.41m	106.26m	188.79m	183.24m	161.13m	104.88m	-
D	222.03m	420.58m	240.27m	114.79m	212.36m	370.37m	327.42m	296.73m	201.65m	-
P	2%	6%	2%	5%	6%	6%	6%	6%	6%	-
S	-	0.50m	-	-	-	0.60m	0.60m	0.60m	0.60m	-

REFERENCIAS

- PROGRESIVA KILOMETRICA
- PUNTO FIJO

TABLA DE PUNTOS FIJOS					
N° PUNTO	DESCRIP.	NORTE	ESTE	COTA	LATITUD LONGITUD
1	PF2	5270627.83	3579346.44	49.979	S42° 42' 48" W65° 01' 53"
2	PF3	5270810.03	3579562.17	52.147	S42° 42' 42" W65° 01' 44"
3	PF4	5271255.18	3580051.43	52.357	S42° 42' 28" W65° 01' 22"
4	PF5	5271693.34	3580544.47	46.737	S42° 42' 13" W65° 01' 01"
5	PF6	5272052.50	3580935.94	45.518	S42° 42' 02" W65° 00' 44"
6	PF7	5272440.22	3581346.07	43.561	S42° 41' 49" W65° 00' 26"
7	PF8	5273143.25	3581690.92	53.657	S42° 41' 26" W65° 00' 11"
8	PF9	5273648.28	3581984.38	37.280	S42° 41' 09" W64° 59' 59"
9	PF10	5274158.27	3582336.28	21.826	S42° 40' 53" W64° 59' 44"
10	PF11	5274505.56	3582462.70	18.397	S42° 40' 41" W64° 59' 38"
11	PF12	5275033.32	3582596.44	27.466	S42° 40' 24" W64° 59' 33"
12	PF13	5275773.37	3582488.60	13.016	S42° 40' 00" W64° 59' 38"
13	PF14	5276438.22	3582475.77	8.152	S42° 39' 39" W64° 59' 39"
14	PF15	5277031.91	3582695.56	7.450	S42° 39' 20" W64° 59' 29"
15	PF16	5277604.07	3582993.66	14.004	S42° 39' 01" W64° 59' 16"
16	PF17	5277967.90	3583472.27	17.416	S42° 38' 49" W64° 58' 56"
17	PF18	5278206.39	3583865.06	28.689	S42° 38' 41" W64° 58' 39"
18	PF19	5278238.15	3584264.96	31.788	S42° 38' 40" W64° 58' 21"
19	PF20	5278713.32	3584739.87	18.219	S42° 38' 24" W64° 58' 00"
20	PF21	5279149.29	3585209.50	8.832	S42° 38' 10" W64° 57' 40"