

Estaca	Descrição	Progressiva	Norte	Este	Cota	Azimute
0	0	0,000	1.676.537,04186	88.862,40165	55,778	277°03'58"
0+3,520	PCV1	3,520	1.676.540,53513	88.862,83466	55,634	277°03'58"
0+8,400		8,400	1.676.545,37806	88.863,43496	55,181	277°03'58"
0+8,520	PTV1	8,520	1.676.545,49715	88.863,44973		277°03'58"
0+10,000	PCV2	10,000	1.676.546,96591	88.863,63179		277°03'58"
1		20,000	1.676.556,88996	88.864,86192	53,832	277°03'58"
1+10,000	PTV2	30,000	1.676.566,81401	88.866,09206		277°03'58"
2		40,000	1.676.576,73806	88.867,32220	52,131	277°03'58"
2+17,731	PC1	57,731	1.676.594,33392	88.869,50329	50,622	277°03'58"
3		60,000	1.676.596,58984	88.869,75049	50,426	275°26'26"
3+1,200	PCV3	61,200	1.676.597,78475	88.869,85527		274°34'54"
3+4,677	PT1	64,677	1.676.601,25576	88.870,05762	50,053	272°05'28"
4		80,000	1.676.616,56885	88.870,61677	49,062	272°05'28"
4+1,200	PTV3	81,200	1.676.617,76775	88.870,66055		272°05'28"
4+7,001	PC2	87,001	1.676.623,56469	88.870,87223	48,717	272°05'28"
4+19,700	PCV4	99,700	1.676.636,16531	88.872,33880		281°11'10"
4+19,873	PT2	99,873	1.676.636,33500	88.872,37255	48,186	281°18'36"
5		100,000	1.676.636,46003	88.872,39755	48,178	281°18'36"
5+9,700	V	109,700	1.676.645,97116	88.874,29982	47,908	281°18'36"
5+14,009	PC3	114,009	1.676.650,19734	88.875,14507	47,892	281°18'36"
6		120,000	1.676.654,39806	88.878,99613	47,937	343°43'00"
6+1,957	PT3	121,957	1.676.654,60456	88.880,93211	47,965	4°06'23"
6+17,109	PF	137,109	1.676.653,51957	88.896,04462	48,953	4°06'23"

## Curva Horizontal: PI-1 - Circular Simples (Raio)

Vértice	Norte	Este	Azimute	Distância	Deflexão
0	1.676.537,04186	188.862,40165			
			7°03'58"	61,2058	
PI-1	1.676.597,78280	188.869,93080			4°58'29"
			2°05'28"	32,2490	
PI-2	1.676.630,01033	188.871,10759			

Ângulo Central:	4°58'29"	Tangente:	3,4753	Dist. Externa:	0,0754	Deflexão/Metro:	0,35809862
Raio:	80,0000	Corda:	6,9440	Desenvolv.:	6,9462	G. Curva/Metro:	0,71619724

## Pontos Notáveis

Ponto	Estaca	Norte	Este
PC1	2+17,731	.676.594,33392	188.869,50329
Centro		.676.604,17502	188.790,11090
PT1	3+4,677	.676.601,25576	188.870,05762

## Curva Horizontal: PI-2 - Circular Simples (Raio)

Vértice	Norte	Este	Azimute	Distância	Deflexão
PI-1	1.676.597,78280	188.869,93080			
			2°05'28"	32,2490	
PI-2	1.676.630,01033	188.871,10759			9°13'08"
			11°18'36"	25,4354	
PI-3	1.676.654,95177	188.876,09597			

Ângulo Central:	9°13'08"	Tangente:	6,4499	Dist. Externa:	0,2596	Deflexão/Metro:	0,35809862
Raio:	80,0000	Corda:	12,8581	Desenvolv.:	12,8720	G. Curva/Metro:	0,71619724

## Pontos Notáveis

Ponto	Estaca	Norte	Este
PC2	4+7,001	.676.623,56469	188.870,87223
Centro		.676.620,64544	188.950,81895
PT2	4+19,873	.676.636,33500	188.872,37255

Curva Horizontal: PI-3 - Circular Simples (Raio)

Vértice	Norte	Este	Azimute	Distância	Deflexão
PI-2	1.676.630,01033	188.871,10759			
			11°18'36"	25,4354	
PI-3	1.676.654,95177	188.876,09597			82°47'47"
			94°06'23"	20,0000	
PF	1.676.653,51957	188.896,04462			

Ângulo Central:	82°47'47"
Raio:	5,5000

Tangente:	4,8486
Corda:	7,2742

Dist. Externa:	1,8320
Desenvolv.:	7,9479

Deflexão/Metro:	5,20870723
G. Curva/Metro:	10,41741446

## Pontos Notáveis

Ponto	Estaca	Norte	Este
PC3	5+14,009	.676.650,19734	188.875,14507
Centro		.676.649,11868	188.880,53826
PT3	6+1,957	.676.654,60456	188.880,93211