

PREFEITURA MUNICIPAL DE PRESIDENTE KENNEDY

PROJETOS EXECUTIVOS DE ENGENHARIA CIVIL PARA MELHORIAS OPERACIONAIS E PAVIMENTAÇÃO DE RODOVIAS VICINAIS MUNICIPAIS LOCALIZADAS NOS SEGUINTE TRECHOS INTEGRANTES DO LOTE 4 (EDITAL 006/2014):

4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)

VOLUME 3D - NOTAS DE SERVIÇOS E
CÁLCULO DE VOLUMES

JULHO DE 2015

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1. APRESENTAÇÃO

1. APRESENTAÇÃO

A ENECON S.A. – ENGENHEIROS E ECONOMISTAS CONSULTORES apresenta o VOLUME 3D – NOTAS DE SERVIÇOS E CÁLCULOS DE VOLUMES referente ao PROJETO EXECUTIVO DE ENGENHARIA CIVIL PARA MELHORIAS OPERACIONAIS E PAVIMENTAÇÃO DE RODOVIA VICINAL MUNICIPAL DO TRECHO 4.5: MONTE BELO – CERUDE – CAETÉS (ES-297), EXTENSÃO de 11,2 km, LOTE 04, em atendimento ao contrato assinado com a PREFEITURA MUNICIPAL DE PRESIDENTE KENNEDY, no estado do Espírito Santo.

Os principais dados contratuais são:

EDITAL: Concorrência – Edital Nº 006/2014

Nº do Processo: 004011/2013

DATA DA LICITAÇÃO: 10 de abril de 2014

DATA DA ASSINATURA DO CONTRATO: 9 de julho de 2014

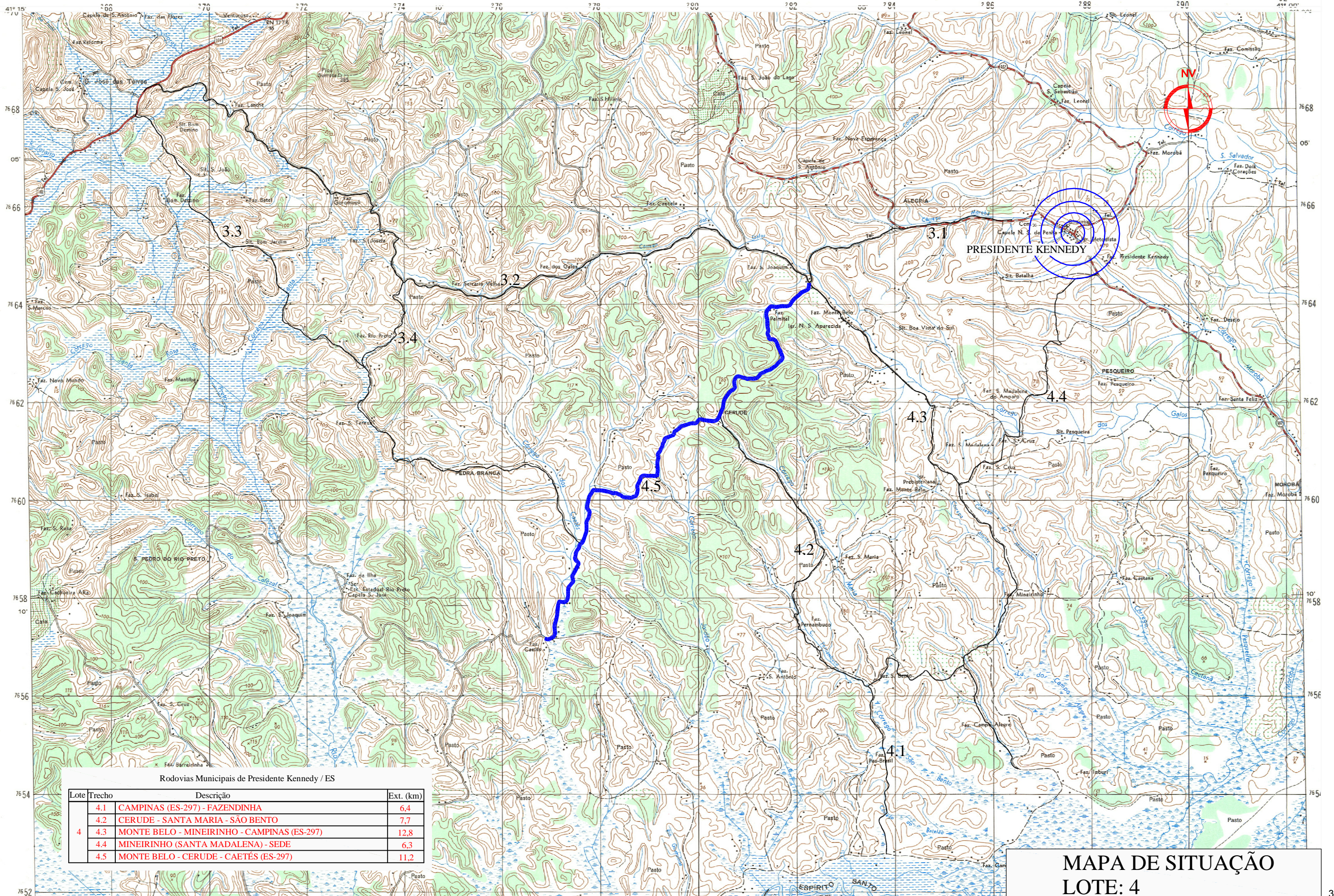
DATA DA ORDEM DE INÍCIO DOS SERVIÇOS: 18 de agosto de 2014

CONTRATO Nº: 000168/2014

PRAZO CONTRATUAL: 365 DIAS

A Impressão Definitiva do projeto do trecho 4.5 é composto pelos seguintes volumes:

- VOLUME 1 - RELATÓRIO DO PROJETO E INFORMAÇÕES PARA LICITAÇÃO – formato A4;
- VOLUME 2 - PROJETO DE EXECUÇÃO – formato A3;
- VOLUME 3 - MEMÓRIA JUSTIFICATIVA – formato A4;
- VOLUME 3A – ESTUDOS E PROJETOS AMBIENTAIS – formato A4;
- VOLUME 3B – ESTUDOS GEOTÉCNICOS – formato A4;
- VOLUME 3D – NOTAS DE SERVIÇOS E CÁLCULO DE VOLUMES – formato A4;
- VOLUME 3E – CADASTRO PARA DESAPROPRIAÇÃO – formato A4;
- VOLUME 4 - ORÇAMENTOS E PLANO DE EXECUÇÃO DA OBRA – formato A4.



Rodovias Municipais de Presidente Kennedy / ES

Lote	Trecho	Descrição	Ext. (km)
4	4.1	CAMPINAS (ES-297) - FAZENDINHA	6,4
	4.2	CERUDE - SANTA MARIA - SÃO BENTO	7,7
	4.3	MONTE BELO - MINEIRINHO - CAMPINAS (ES-297)	12,8
	4.4	MINEIRINHO (SANTA MADALENA) - SEDE	6,3
	4.5	MONTE BELO - CERUDE - CAETÉS (ES-297)	11,2

MAPA DE SITUAÇÃO
LOTE: 4

2. NOTAS DE SERVIÇO DE TERRAPLENAGEM

2.1 PISTA PRINCIPAL



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo							Eixo							Lado Direito								
	O/Sel (Pl 01)		Rocha		Disp Dien (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dien (Pl 05)		Rocha		Rocha		O/Sel (Pl 06)		
	Alast	Cota	Ali	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Cota	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Ali
5+15.300	-9,512	31,898	-3,28	-4,600	35,173	-3,000	35,12	3,20	35,026	32,939	2,087	3,00	34,93	-3,200	4,600	34,879			7,87	32,698	-2,181		
5+15.301	-9,512	31,898	-3,28	-4,600	35,173	-3,000	35,12	3,20	35,026	32,939	2,087	3,00	34,93	-3,200	4,600	34,879			7,87	32,698	-2,181		
6+0.000	-10,321	32,100	-3,28	-5,400	35,381	-3,800	35,32	3,98	35,166	33,582	1,583	3,80	35,01	-3,980	5,400	34,950			8,17	33,105	-1,845		
6+10.000	-8,771	33,520	-2,25	-5,400	35,768	-3,800	35,68	5,65	35,463	34,859	0,603	3,80	35,25	-5,650	5,400	35,157			7,06	34,051	-1,106		
7+0.000	-6,420	35,475	-0,68	-5,400	36,155	-3,800	36,04	7,32	35,760	35,177	0,583	3,80	35,48	-7,320	5,400	35,364			6,23	34,812	-0,552		
7+10.000	-5,496	36,424	-0,06	-5,400	36,489	-3,800	36,36	8,00	36,057	35,875	0,182	3,80	35,75	-8,000	5,400	35,625			5,79	35,363	-0,262		
8+0.000	-5,766	37,320	0,55	-5,400	36,771	-3,800	36,64	8,00	36,339	36,343	-0,004	3,80	36,04	-8,000	5,400	35,907			5,62	35,762	-0,145		
8+5.383	-5,714	37,381	0,47	-5,400	36,910	-3,800	36,78	8,00	36,478	36,447	0,032	3,80	36,17	-8,000	5,400	36,046			5,58	35,929	-0,117		
8+10.000	-5,678	37,441	0,42	-5,400	37,023	-3,800	36,90	8,00	36,591	36,493	0,099	3,80	36,29	-8,000	5,400	36,159			5,56	36,055	-0,104		
9+0.000	-5,565	37,137	-0,11	-5,400	37,246	-3,800	37,12	8,00	36,814	36,639	0,176	3,80	36,51	-8,000	5,400	36,382			5,57	36,269	-0,113		
9+10.000	-5,472	37,518	0,11	-5,400	37,410	-3,800	37,29	7,44	37,008	36,687	0,320	3,80	36,73	-7,440	5,400	36,606			5,70	36,407	-0,199		
10+0.000	-5,703	37,952	0,45	-5,400	37,498	-3,800	37,41	5,78	37,186	36,722	0,464	3,80	36,97	-5,780	5,400	36,874			5,96	36,504	-0,370		
10+10.000	-5,611	37,903	0,32	-5,400	37,586	-3,800	37,52	4,11	37,365	36,825	0,540	3,80	37,21	-4,110	5,400	37,143			6,17	36,632	-0,511		
10+15.465	-5,160	37,236	-0,37	-4,600	37,609	-3,000	37,56	3,20	37,462	36,862	0,600	3,00	37,37	-3,200	4,600	37,315			5,50	36,715	-0,600		
11+0.000	-5,477	37,071	-0,58	-4,600	37,655	-3,000	37,62	2,44	37,543	36,894	0,649	3,00	37,45	-3,000	4,600	37,405			5,55	36,771	-0,634		
12+0.000	-6,021	36,912	-0,95	-4,600	37,859	-3,000	37,87	-0,89	37,900	37,130	0,770	3,00	37,81	-3,000	4,600	37,762			5,46	37,186	-0,576		
13+0.000	-6,622	36,771	-1,35	-4,600	38,119	-3,000	38,17	-3,00	38,257	37,408	0,849	3,00	38,17	-3,000	4,600	38,119			5,51	37,515	-0,604		
14+0.000	-7,259	36,703	-1,77	-4,600	38,476	-3,000	38,52	-3,00	38,614	37,732	0,882	3,00	38,52	-3,000	4,600	38,476			5,39	37,951	-0,525		
15+0.000	-8,985	35,910	-2,92	-4,600	38,833	-3,000	38,88	-3,00	38,971	38,183	0,787	3,00	38,95	-0,860	4,600	38,931			5,43	38,381	-0,550		
15+4.296	-9,138	35,884	-3,03	-4,600	38,909	-3,000	38,96	-3,00	39,047	38,280	0,768	3,00	39,05	0,000	4,600	39,047			5,52	38,431	-0,616		
15+10.000	-9,383	35,871	-3,14	-4,676	39,009	-3,076	39,06	-3,00	39,149	38,413	0,736	3,08	39,18	1,140	4,676	39,203			5,52	38,641	-0,562		
16+0.000	-9,914	35,774	-3,40	-4,809	39,177	-3,209	39,23	-3,14	39,328	38,678	0,649	3,21	39,43	3,140	4,809	39,479			5,43	39,068	-0,411		
16+10.000	-7,503	37,546	-1,71	-4,943	39,252	-3,343	39,33	-5,14	39,506	38,968	0,538	3,34	39,68	5,140	4,943	39,760			5,03	39,699	-0,061		
16+14.296	-6,792	38,088	-1,20	-5,000	39,283	-3,400	39,38	-6,00	39,583	39,062	0,521	3,40	39,79	6,000	5,000	39,983			5,67	40,892	1,009		
17+0.000	-6,857	38,147	-1,24	-5,000	39,385	-3,400	39,48	-6,00	39,685	39,162	0,523	3,40	39,89	6,000	5,000	39,985			6,66	42,476	2,491		
17+10.000	-5,469	39,232	-0,31	-5,000	39,545	-3,400	39,64	-6,00	39,845	39,396	0,449	3,40	40,05	6,000	5,000	40,145			9,25	46,523	6,378		
17+12.314	-5,433	39,288	-0,29	-5,000	39,576	-3,400	39,67	-6,00	39,876	39,448	0,428	3,40	40,08	6,000	5,000	40,176			9,44	46,838	6,662		
18+0.000	-5,321	39,454	-0,21	-5,000	39,667	-3,400	39,76	-6,00	39,967	39,616	0,352	3,40	40,17	6,000	5,000	40,267			9,99	47,744	7,477		
18+10.000	-5,198	39,621	-0,13	-5,000	39,753	-3,400	39,85	-6,00	40,053	40,836	-0,783	3,40	40,26	6,000	5,000	40,353			10,45	48,523	8,170		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito					
	Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Of Set (Pl 06)					
	Alast.	Cota	All	Alast.	Cota	Rocha	Alast.	Cota	%	Projelo	Terreno	Vermeha	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All			
18+10.332	-5,194	39,626	-0,13	-5,000	39,755	-3,400	39,85	-6,00	40,055	40,935	-0,880	3,40	40,26	6,000	5,000	40,355										10,46	48,542	8,187		
19+0.000	-5,102	39,749	-0,16	-4,871	39,904	-3,271	39,97	-4,07	40,102	43,197	-3,095	3,27	40,24	4,070	4,871	40,300										10,65	48,966	8,666		
19+10.000	-5,073	39,747	-0,22	-4,738	39,971	-3,138	40,02	-3,00	40,113	43,131	-3,018	3,14	40,18	2,070	4,738	40,211										10,62	49,026	8,815		
20+0.000	-4,851	39,785	-0,16	-4,604	39,949	-3,004	40,00	-3,00	40,087	43,824	-3,737	3,00	40,09	0,070	4,604	40,090										10,49	48,911	8,821		
20+0.332	-4,844	39,785	-0,16	-4,600	39,948	-3,000	40,00	-3,00	40,086	43,854	-3,768	3,00	40,09	0,000	4,600	40,086										10,50	48,928	8,842		
21+0.000	-4,851	39,619	-0,17	-4,600	39,786	-3,000	39,83	-3,00	39,924	40,955	-1,031	3,00	39,83	-3,000	4,600	39,786										9,933	47,786			
																										13,933	47,586			
																										17,99	53,676	13,890		
22+0.000	-5,138	39,116	-0,36	-4,600	39,475	-3,000	39,52	-3,00	39,613	39,365	0,248	3,00	39,52	-3,000	4,600	39,475										9,933	47,475			
																										13,933	47,275			
																										18,48	54,090	14,615		
23+0.000	-5,583	38,360	-0,66	-4,600	39,015	-3,000	39,06	-3,00	39,153	38,611	0,542	3,00	39,06	-3,000	4,600	39,015										9,12	45,789	6,774		
24+0.000	-5,608	37,809	-0,67	-4,600	38,481	-3,000	38,53	-3,00	38,619	37,581	1,038	3,00	38,53	-3,000	4,600	38,481										11,10	48,229	9,748		
25+0.000	-9,341	34,786	-3,16	-4,600	37,947	-3,000	38,00	-3,00	38,085	36,707	1,378	3,00	38,00	-3,000	4,600	37,947										9,65	45,517	7,570		
25+16.667	-10,070	33,855	-3,65	-4,600	37,501	-3,000	37,55	-3,00	37,639	35,986	1,653	3,00	37,64	0,000	4,600	37,639										8,94	44,143	6,504		
26+0.000	-10,291	33,647	-3,76	-4,644	37,411	-3,044	37,46	-3,00	37,550	35,951	1,599	3,04	37,57	0,670	4,644	37,581										8,96	44,059	6,478		
26+10.000	-9,522	33,977	-3,16	-4,778	37,140	-3,178	37,19	-3,00	37,283	35,554	1,729	3,18	37,37	2,670	4,778	37,411										8,85	43,523	6,112		
27+0.000	-8,633	34,306	-2,48	-4,911	36,787	-3,311	36,86	-4,67	37,016	35,155	1,861	3,31	37,17	4,670	4,911	37,245										8,64	42,834	5,589		
27+6.667	-8,015	34,528	-2,01	-5,000	36,538	-3,400	36,63	-6,00	36,838	34,955	1,883	3,40	37,04	6,000	5,000	37,138										8,60	42,544	5,406		
27+10.000	-7,944	34,486	-1,96	-5,000	36,449	-3,400	36,55	-6,00	36,749	34,855	1,894	3,40	36,95	6,000	5,000	37,049										8,50	42,299	5,250		
28+0.000	-9,888	32,924	-3,26	-5,000	36,182	-3,400	36,28	-6,00	36,482	34,473	2,009	3,40	36,69	6,000	5,000	36,782										7,98	41,259	4,477		
28+0.989	-10,206	32,685	-3,47	-5,000	36,156	-3,400	36,25	-6,00	36,456	34,445	2,011	3,40	36,66	6,000	5,000	36,756										8,02	41,291	4,535		
28+10.000	-10,121	32,501	-3,41	-5,000	35,915	-3,400	36,01	-6,00	36,215	34,187	2,028	3,40	36,42	6,000	5,000	36,515										8,21	41,334	4,819		
28+15.312	-10,055	32,403	-3,37	-5,000	35,773	-3,400	35,87	-6,00	36,073	34,035	2,038	3,40	36,28	6,000	5,000	36,373										8,21	41,191	4,818		
29+0.000	-10,012	32,315	-3,38	-4,938	35,698	-3,338	35,78	-5,06	35,948	33,902	2,046	3,34	36,12	5,060	4,937	36,198										8,00	40,797	4,599		
29+10.000	-9,500	32,403	-3,13	-4,804	35,534	-3,204	35,58	-3,06	35,681	33,653	2,027	3,20	35,78	3,060	4,804	35,828										5,14	35,603	-0,225		
30+0.000	-8,848	32,526	-2,79	-4,671	35,311	-3,071	35,35	-2,19	35,414	33,381	2,033	3,07	35,45	1,060	4,671	35,463										6,03	34,557	-0,906		
30+5.312	-8,754	32,440	-2,77	-4,600	35,210	-3,000	35,23	-1,34	35,272	33,243	2,029	3,00	35,27	0,000	4,600	35,272										6,37	34,094	-1,178		
30+13.706	-8,918	32,169	-2,88	-4,600	35,048	-3,000	35,05	0,00	35,048	33,026	2,021	3,00	35,00	-1,680	4,600	34,970										6,75	33,540	-1,430		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO: 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito					
	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermoha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
	Alast.	Cola	Alast.	Cota	Alast.	Cota	Alast.	Cota	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cola	All					
31+0.000	-9,160	31,946	-2,98		-4,688	34,927	-3,088	34,91	1,01	34,879	32,893	1,986	3,09	34,79	-2,940	4,688	34,742							6,79	33,342	-1,400				
31+10.000	-9,157	31,852	-2,89		-4,828	34,738	-3,228	34,70	2,61	34,612	32,784	1,828	3,23	34,52	-3,000	4,828	34,467							6,80	33,155	-1,312				
32+0.000	-9,011	31,859	-2,70		-4,968	34,554	-3,368	34,49	4,21	34,345	32,692	1,654	3,37	34,20	-4,210	4,969	34,136							6,69	32,990	-1,146				
32+10.000	-9,312	31,572	-2,80		-5,107	34,375	-3,507	34,28	5,81	34,078	32,725	1,353	3,51	33,87	-5,810	5,109	33,781							6,47	32,875	-0,906				
33+0.000	-9,710	31,225	-2,98		-5,247	34,200	-3,647	34,08	7,41	33,811	32,603	1,209	3,65	33,54	-7,410	5,249	33,422							7,29	32,063	-1,359				
33+3.706	-9,906	31,068	-3,07		-5,300	34,138	-3,700	34,01	8,00	33,714	32,581	1,133	3,70	33,42	-8,000	5,300	33,290							9,29	30,629	-2,661				
33+10.000	-10,905	30,245	-3,74		-5,900	33,982	-3,700	33,85	8,00	33,558	32,536	1,022	3,70	33,26	-8,000	5,900	33,134							7,87	31,422	-1,712				
34+0.000	-8,300	31,758	-2,00		-5,300	33,758	-3,700	33,63	8,00	33,334	31,980	1,354	3,70	33,04	-8,000	5,300	32,910							7,42	31,494	-1,416				
34+10.000	-8,096	31,698	-1,86		-5,300	33,562	-3,700	33,43	8,00	33,138	31,833	1,305	3,70	32,84	-8,000	5,300	32,714							7,21	31,441	-1,273				
34+12.477	-8,059	31,679	-1,84		-5,300	33,518	-3,700	33,39	8,00	33,094	31,808	1,287	3,70	32,80	-8,000	5,300	32,670							7,13	31,450	-1,220				
35+0.000	-7,922	31,647	-1,75		-5,300	33,395	-3,700	33,27	8,00	32,971	31,408	1,563	3,70	32,68	-8,000	5,300	32,547							7,18	31,296	-1,251				
35+10.000	-7,289	31,930	-1,33		-5,900	33,257	-3,700	33,13	8,00	32,833	31,471	1,362	3,70	32,54	-8,000	5,900	32,409							6,88	31,358	-1,051				
36+0.000	-7,011	32,006	-1,14		-5,900	33,147	-3,700	33,02	8,00	32,723	31,536	1,186	3,70	32,43	-8,000	5,900	32,299							6,35	31,602	-0,697				
36+1.249	-7,084	31,945	-1,19		-5,900	33,135	-3,700	33,01	8,00	32,711	31,550	1,161	3,70	32,42	-8,000	5,900	32,287							6,30	31,620	-0,667				
36+10.000	-6,877	31,849	-1,13		-5,177	32,983	-3,577	32,88	6,60	32,641	31,577	1,065	3,58	32,41	-6,600	5,178	32,299							6,09	31,690	-0,609				
37+0.000	-6,240	32,038	-0,80		-5,037	32,840	-3,437	32,76	5,00	32,588	31,606	0,982	3,44	32,42	-5,000	5,038	32,336							5,90	31,764	-0,572				
37+10.000	-5,772	32,147	-0,58		-4,897	32,731	-3,297	32,68	3,40	32,564	31,606	0,958	3,30	32,45	-3,400	4,898	32,398							5,90	31,732	-0,666				
38+0.000	-5,777	31,974	-0,68		-4,757	32,654	-3,157	32,63	1,80	32,568	31,634	0,935	3,16	32,47	-3,000	4,758	32,426							5,71	31,794	-0,632				
38+10.000	-5,317	32,144	-0,47		-4,617	32,610	-3,017	32,61	0,20	32,601	31,674	0,927	3,02	32,51	-3,000	4,618	32,463							5,59	31,813	-0,650				
38+11.249	-5,289	32,148	-0,46		-4,600	32,607	-3,000	32,61	0,00	32,607	31,688	0,920	3,00	32,52	-3,000	4,600	32,469							5,58	31,814	-0,655				
39+0.000	-5,269	32,152	-0,45		-4,600	32,598	-3,000	32,62	-1,40	32,663	31,829	0,834	3,00	32,57	-3,000	4,600	32,525							5,63	31,836	-0,689				
40+0.000	-5,372	33,834	1,16		-4,600	32,676	-3,000	32,72	-3,00	32,814	32,332	0,482	3,00	32,72	-3,000	4,600	32,676							4,87	32,494	-0,182				
41+0.000	-7,051	36,504	3,68		-4,600	32,827	-3,000	32,88	-3,00	32,965	34,208	-1,242	3,00	32,88	-3,000	4,600	32,827							4,63	32,877	0,050				
42+0.000	-8,388	38,661	5,68		-4,600	32,979	-3,000	33,03	-3,00	33,117	35,451	-2,334	3,00	33,03	-3,000	4,600	32,979							4,61	32,989	0,010				
43+0.000	-8,590	39,116	5,99		-4,600	33,130	-3,000	33,18	-3,00	33,268	34,385	-1,117	3,00	33,18	-3,000	4,600	33,130							5,13	32,776	-0,354				
44+0.000	-7,545	37,699	4,42		-4,600	33,282	-3,000	33,33	-3,00	33,420	32,878	0,542	3,00	33,33	-3,000	4,600	33,282							5,63	32,594	-0,688				
45+0.000	-4,647	33,402	-0,03		-4,600	33,433	-3,000	33,48	-3,00	33,571	32,896	0,675	3,00	33,48	-3,000	4,600	33,433							5,66	32,727	-0,706				
46+0.000	-5,794	32,914	-0,80		-4,600	33,710	-3,000	33,71	-0,27	33,722	32,879	0,844	3,00	33,63	-3,000	4,600	33,584							6,67	32,205	-1,379				
46+1.313	-6,054	32,763	-0,97		-4,600	33,732	-3,000	33,73	0,00	33,732	32,845	0,888	3,00	33,64	-3,000	4,600	33,594							6,56	32,289	-1,305				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito								
	Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Rocha			Cota			Vermeha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Off Set (Pl 06)		
	Alast	Cota	All	Alast	Cota	Alast	Cota	Alast	Cota	%	Projeto	Terreno	Cota	Alast	Cota	%	Alast	Cota	%	Alast	Cota	Alast	Cota	Alast	Cota	Alast	Cota	Alast	Cota	Alast	Cota	All	
46+10.000	-6,831	32,453	-1,43	-4,687	33,882	-3,087	33,85	1,80	33,798	32,743	1,055	3,09	33,71	-3,000	4,687	33,668	7,00	32,113	-1,545														
47+0.000	-7,035	32,560	-1,50	-4,787	34,059	-3,187	34,00	3,86	33,874	32,756	1,118	3,19	33,75	-3,860	4,787	33,689	6,80	32,348	-1,341														
47+10.000	-7,127	32,746	-1,49	-4,887	34,239	-3,287	34,14	5,93	33,950	32,949	1,001	3,29	33,76	-5,930	4,887	33,660	6,69	32,460	-1,200														
47+11.313	-7,138	32,771	-1,49	-4,900	34,263	-3,300	34,16	6,20	33,960	32,962	0,997	3,30	33,76	-6,200	4,900	33,656	6,68	32,472	-1,184														
48+0.000	-7,027	32,911	-1,42	-4,900	34,329	-3,300	34,23	6,20	34,025	32,864	1,161	3,30	33,82	-6,200	4,900	33,721	6,67	32,542	-1,179														
48+6.953	-6,776	33,131	-1,25	-4,900	34,382	-3,300	34,28	6,20	34,078	32,979	1,099	3,30	33,87	-6,200	4,900	33,774	6,56	32,666	-1,108														
48+10.000	-6,711	33,197	-1,21	-4,900	34,405	-3,300	34,31	6,20	34,101	33,030	1,071	3,30	33,90	-6,200	4,900	33,797	6,52	32,717	-1,080														
49+0.000	-6,237	33,618	-0,89	-4,900	34,510	-3,300	34,41	6,20	34,206	33,092	1,114	3,30	34,00	-6,200	4,900	33,902	6,94	32,543	-1,359														
49+2.592	-6,193	33,685	-0,86	-4,900	34,547	-3,300	34,45	6,20	34,243	33,214	1,028	3,30	34,04	-6,200	4,900	33,939	6,44	32,913	-1,026														
49+10.000	-5,932	33,858	-0,74	-4,826	34,595	-3,226	34,52	4,67	34,370	33,314	1,055	3,23	34,22	-4,670	4,826	34,144	6,70	32,895	-1,249														
50+0.000	-5,679	34,079	-0,64	-4,726	34,715	-3,126	34,67	2,60	34,592	33,446	1,146	3,13	34,50	-3,000	4,726	34,450	7,14	32,843	-1,607														
50+10.000	-5,562	34,273	-0,63	-4,626	34,898	-3,026	34,89	0,54	34,873	33,634	1,239	3,03	34,79	-2,670	4,626	34,749	7,03	33,145	-1,604														
50+12.592	-5,547	34,324	-0,63	-4,600	34,955	-3,000	34,96	0,00	34,955	33,683	1,272	3,00	34,90	-1,980	4,600	34,864	7,07	33,216	-1,648														
51+0.000	-5,611	34,467	-0,68	-4,600	35,142	-3,000	35,17	-1,53	35,212	33,815	1,397	3,00	35,21	0,000	4,600	35,212	7,34	33,386	-1,826														
51+0.011	-5,612	34,468	-0,67	-4,600	35,142	-3,000	35,17	-1,53	35,213	33,815	1,397	3,00	35,21	0,000	4,600	35,213	7,34	33,386	-1,827														
51+10.000	-6,381	34,540	-0,92	-5,000	35,460	-3,400	35,51	-3,00	35,610	34,032	1,578	3,40	35,70	2,660	4,999	35,744	7,76	33,906	-1,838														
52+0.000	-6,916	34,768	-1,01	-5,400	35,779	-3,800	35,87	-5,33	36,067	34,388	1,680	3,80	36,27	5,330	5,399	36,355	8,28	34,432	-1,923														
52+10.000	-7,173	35,203	-0,92	-5,800	36,119	-4,200	36,25	-8,00	36,583	34,993	1,589	4,20	36,92	8,000	5,800	37,046	8,09	35,519	-1,527														
52+10.011	-7,172	35,204	-0,91	-5,800	36,119	-4,200	36,25	-8,00	36,583	34,994	1,589	4,20	36,92	8,000	5,800	37,047	8,09	35,521	-1,526														
53+0.000	-6,402	36,291	-0,40	-5,800	36,693	-4,200	36,82	-8,00	37,157	35,538	1,619	4,20	37,49	8,000	5,800	37,621	7,93	36,199	-1,422														
53+9.363	-6,140	37,057	-0,23	-5,800	37,283	-4,200	37,41	-8,00	37,747	36,151	1,596	4,20	38,08	8,000	5,800	38,211	8,42	36,463	-1,748														
53+10.000	-6,176	37,075	-0,25	-5,800	37,325	-4,200	37,45	-8,00	37,789	36,190	1,599	4,20	38,13	8,000	5,800	38,253	8,45	36,485	-1,768														
54+0.000	-7,028	37,168	-0,82	-5,800	37,987	-4,200	38,12	-8,00	38,451	36,756	1,695	4,20	38,79	8,000	5,800	38,915	8,90	36,846	-2,069														
54+8.715	-7,341	37,557	-1,03	-5,800	38,564	-4,200	38,69	-8,00	39,028	37,217	1,811	4,20	39,36	8,000	5,800	39,492	9,06	37,322	-2,170														
54+10.000	-7,353	37,603	-1,07	-5,748	38,673	-4,148	38,80	-7,66	39,113	37,286	1,827	4,15	39,43	7,660	5,748	39,553	9,09	37,325	-2,228														
55+0.000	-7,401	38,140	-1,37	-5,349	39,508	-3,749	39,59	-4,99	39,775	37,720	2,055	3,75	39,96	4,990	5,348	40,042	9,38	37,357	-2,685														
55+10.000	-7,474	39,029	-1,24	-5,615	40,269	-3,349	40,34	-3,00	40,437	38,301	2,136	3,35	40,52	2,320	4,983	40,553	8,37	38,293	-2,260														
55+18.715	-7,911	39,515	-1,32	-5,930	40,836	-3,000	40,92	-3,00	41,014	38,807	2,207	3,00	41,01	0,000	5,590	41,014	8,96	38,769	-2,245														
56+0.000	-8,005	39,599	-1,32	-6,027	40,918	-3,000	41,01	-3,00	41,099	38,881	2,218	3,00	41,09	-0,340	5,721	41,079	9,05	38,858	-2,221														



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo										Lado Direito																	
		Off Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermilha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)																			
		Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	%	Projeto	Terreno	Cota	%	Alast.	Cola	%	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola										
67+0.000		-10.00	63,36	-4.667	55,355	-3.067	55,33	1,34	55,292	56,034	-0,742	3,07	55,20	-3,000	4,667	55,152																				5,09	55,783	0,631			
		-14.00	63,16																																						
		-17.482	68,377	13,02																																					
				Banqueta		Offset																																			
67+10.000		-10.590	64,699	8,72	55,980	-3,167	55,93	3,34	55,820	56,438	-0,618	3,17	55,71	-3,340	4,767	55,661																					5,15	56,237	0,576		
68+0.000		-9.600	63,688	7,10	56,888	-3,267	56,50	5,34	56,328	56,862	-0,534	3,27	56,15	-5,340	4,867	56,068																					5,22	56,602	0,534		
68+3.282	EC	-9.264	63,330	6,55	56,784	-3,300	56,69	6,00	56,490	56,975	-0,485	3,30	56,29	-6,000	4,900	56,196																					5,24	56,709	0,513		
68+10.000		-8.729	62,852	5,74	57,109	-3,300	57,01	6,00	56,815	57,185	-0,370	3,30	56,62	-6,000	4,900	56,521																					5,17	56,927	0,406		
68+10.969		-8.663	62,800	5,65	57,155	-3,300	57,06	6,00	56,861	57,218	-0,357	3,30	56,66	-6,000	4,900	56,567																					5,16	56,957	0,390		
68+18.656	CE	-8.103	62,318	4,80	57,514	-3,300	57,42	6,00	57,220	57,477	-0,257	3,30	57,02	-6,000	4,900	56,926																						5,08	57,194	0,268	
69+0.000		-7.991	62,219	4,66	57,562	-3,286	57,47	5,73	57,282	57,519	-0,237	3,29	57,09	-5,730	4,887	57,002																						5,05	57,246	0,244	
69+10.000		-7.735	62,339	4,42	57,917	-3,187	57,86	3,73	57,738	57,866	-0,128	3,19	57,62	-3,730	4,787	57,559																					4,97	57,827	0,268		
70+0.000		-7.444	62,411	4,14	58,275	-3,087	58,25	1,73	58,194	58,280	-0,085	3,09	58,10	-3,000	4,687	58,064																					4,86	58,320	0,266		
70+8.656	ET	-7.945	63,007	4,42	58,589	-3,000	58,59	0,00	58,589	58,598	-0,008	3,00	58,50	-3,000	4,600	58,451																					4,600	58,451	0,000		
71+0.000		-7.356	63,137	4,13	59,003	-3,000	59,04	-2,27	59,107	59,129	-0,022	3,00	59,02	-3,000	4,600	58,969																						4,80	59,265	0,296	
72+0.000		-8.405	65,589	5,71	59,882	-3,000	59,93	-3,00	60,020	59,971	0,048	3,00	59,93	-3,000	4,600	59,882																						4,63	59,927	0,045	
73+0.000		-8.525	66,682	5,89	60,794	-3,000	60,84	-3,00	60,932	60,670	0,263	3,00	60,87	-2,040	4,600	60,838																					5,22	60,423	-0,415		
73+7.864	TS	-8.616	67,177	6,02	61,153	-3,000	61,20	-3,00	61,291	60,941	0,351	3,00	61,29	0,000	4,600	61,291																					5,16	60,916	-0,375		
73+10.000		-8.698	67,343	6,09	61,250	-3,036	61,30	-3,00	61,389	61,044	0,345	3,04	61,41	0,560	4,636	61,414																					5,40	60,906	-0,508		
74+0.000		-8.959	67,928	6,24	61,693	-3,202	61,74	-3,16	61,845	61,551	0,314	3,20	61,95	3,160	4,802	61,997																						5,47	61,554	-0,443	
74+10.000		-9.542	68,876	6,86	62,015	-3,369	62,11	-5,76	62,301	62,110	0,192	3,37	62,50	5,760	4,969	62,587																						5,52	62,218	-0,369	
74+17.864	EC	-10.183	69,910	7,63	62,285	-3,500	62,41	-7,80	62,683	62,633	0,050	3,50	62,96	7,800	5,100	63,081																						5,75	62,647	-0,434	
75+0.000		-10.293	70,186	7,79	62,397	-3,500	62,52	-7,80	62,795	62,780	0,015	3,50	63,07	7,800	5,100	63,192																						5,74	62,764	-0,428	
75+8.270		-10.554	71,041	8,18	62,860	-3,500	62,99	-7,80	63,258	63,317	-0,059	3,50	63,53	7,800	5,100	63,656																						5,57	63,340	-0,316	
75+10.000		-10.613	71,232	8,27	62,963	-3,500	63,09	-7,80	63,361	63,439	-0,078	3,50	63,63	7,800	5,100	63,759																						5,54	63,467	-0,292	
75+18.676	CE	-11.075	72,478	8,96	63,515	-3,500	63,64	-7,80	63,913	63,959	-0,046	3,50	64,19	7,800	5,100	64,310																							5,43	64,088	-0,222
76+0.000		-11.108	72,668	9,05	63,623	-3,478	63,74	-7,46	64,002	64,031	-0,030	3,48	64,26	7,460	5,078	64,380																						5,39	64,171	-0,209	
76+10.000		-10.426	72,749	8,27	64,477	-3,311	64,56	-4,86	64,716	64,653	0,062	3,31	64,88	4,860	4,911	64,954																						5,44	64,599	-0,355	
77+0.000		-9.955	72,576	7,21	65,361	-3,145	65,41	-3,00	65,503	65,377	0,127	3,15	65,57	2,260	4,745	65,610																							5,57	65,058	-0,552
77+8.676	ET	-8.878	72,554	6,42	66,136	-3,000	66,17	-2,39	66,246	65,504	0,742	3,00	66,25	0,000	4,600	66,246																						6,08	65,262	-0,984	



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito					
		Off Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Off Set (Pl 06)					
		Alast.	Cota	All	Alast.	Cota	Rocha	Alast.	Cota	Projeto	Terreno	Vermeha	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All				
77+17.642	TS	-7,860	71,941	4,89			-4,600	67,051	-3,000	67,05	0,00	67,051	65,689	1,362	3,00	66,98	-2,330	4,600	66,943							6,94	65,384	-1,559			
78+0.000		-7,675	71,821	4,53			-4,655	67,292	-3,055	67,28	0,63	67,262	65,787	1,475	3,06	67,17	-2,940	4,655	67,125							7,46	65,255	-1,870			
78+10.000		-7,768	72,641	4,32			-4,888	68,322	-3,288	68,27	3,30	68,160	66,102	2,058	3,29	68,05	-3,300	4,889	67,999							7,478	66,095	-1,904			
79+0.000		-7,565	73,029	3,66			-5,121	69,364	-3,521	69,27	5,96	69,059	66,386	2,672	3,52	68,85	-5,960	5,122	68,753							9,57	65,789	-2,964			
79+7.642	EC	-8,084	74,345	4,18			-5,300	70,169	-3,700	70,04	8,00	69,745	70,339	-0,594	3,70	69,45	-8,000	5,300	69,321							9,52	66,510	-2,811			
79+9.476		-8,171	74,640	4,31			-5,300	70,333	-3,700	70,21	8,00	69,909	70,586	-0,676	3,70	69,61	-8,000	5,300	69,485							9,65	66,584	-2,901			
79+10.000		-8,192	74,719	4,34			-5,300	70,381	-3,700	70,25	8,00	69,957	70,653	-0,697	3,70	69,66	-8,000	5,300	69,533							9,69	66,605	-2,928			
79+11.309	CE	-8,238	74,906	4,41			-5,300	70,498	-3,700	70,37	8,00	70,074	70,817	-0,743	3,70	69,78	-8,000	5,300	69,650							9,79	66,657	-2,993			
80+0.000		-8,236	75,853	4,71			-5,097	71,144	-3,497	71,05	5,68	70,855	71,719	-0,865	3,50	70,66	-5,680	5,098	70,565							10,45	66,996	-3,569			
80+10.000		-9,360	78,644	6,75			-4,864	71,899	-3,264	71,85	3,02	71,753	74,090	-2,338	3,26	71,65	-3,020	4,864	71,606							5,03	71,861	0,255			
81+0.000		-10,118	80,898	8,23			-4,631	72,667	-3,031	72,66	0,35	72,651	76,313	-3,662	3,03	72,56	-3,000	4,631	72,512							5,55	73,897	1,385			
81+1.309	ET	-10,125	81,055	8,29			-4,600	72,768	-3,000	72,77	0,00	72,768	76,613	-3,845	3,00	72,68	-3,000	4,600	72,630							5,64	74,190	1,560			
82+0.000		-9,93	82,27				-4,600	74,266	-3,000	74,31	-3,00	74,404	80,827	-6,422	3,00	74,31	-3,000	4,600	74,266							7,02	77,899	3,633			
83+0.000		-13,93	82,07																												
		-17,106	86,826	12,56																											
		-9,93	83,73				-4,600	75,725	-3,000	75,77	-3,00	75,863	82,748	-6,885	3,00	75,85	-0,430	4,600	75,843							7,24	79,810	3,967			
		-13,93	83,53																												
		-17,138	88,332	12,61																											
83+2.155	TS	-9,93	83,86				-4,600	75,862	-3,000	75,91	-3,00	76,000	82,673	-6,673	3,00	76,00	0,000	4,600	76,000							7,22	79,937	3,937			
83+10.000		-13,93	83,66																												
		-17,068	88,364	12,50																											
		-10,11	84,32				-4,777	76,322	-3,177	76,37	-3,00	76,466	82,346	-5,880	3,18	76,52	1,570	4,776	76,541							6,90	79,729	3,188			
		-14,11	84,12																												
		-16,881	88,279	11,96																											
84+0.000		-11,074	85,914	9,11			-5,002	76,805	-3,402	76,86	-3,57	76,984	82,027	-5,043	3,40	77,11	3,570	5,001	77,162							6,42	79,292	2,130			
84+10.000		-10,331	84,783	7,66			-5,227	77,127	-3,627	77,22	-5,57	77,418	80,814	-3,396	3,63	77,62	5,570	5,226	77,709							13,25	72,358	-5,351			
85+0.000		-10,176	84,440	7,08			-5,452	77,355	-3,852	77,48	-7,57	77,767	79,923	-2,156	3,85	78,06	7,570	5,451	78,180							13,55	72,778	-5,402			
85+2.155	EC	-10,420	84,772	7,38			-5,500	77,392	-3,900	77,52	-8,00	77,832	79,872	-2,041	3,90	78,14	8,000	5,500	78,272							13,98	72,620	-5,652			
85+10.000		-10,486	85,072	7,48			-5,500	77,592	-3,900	77,72	-8,00	78,032	79,764	-1,731	3,90	78,34	8,000	5,500	78,472							12,97	73,492	-4,980			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito											
	Of Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Off Set (Pl 06)											
	Alast.	Cota	All	Alast.	Cota	Alast.	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Vermoha	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All										
86+0.000	-10,022	84,556	6,78					-5,500	77,773	-3,900	77,90	-8,00	78,213	80,282	-2,068	3,90	8,000	78,53	5,500	78,653					12,60	73,923	-4,730									
86+10.000	-10,648	85,591	7,72					-5,500	77,869	-3,900	78,00	-8,00	78,309	81,527	-3,217	3,90	8,000	78,62	5,500	78,749					6,01	79,507	0,758									
86+12.155	-10,802	85,832	7,95					-5,500	77,879	-3,900	78,01	-8,00	78,319	81,875	-3,556	3,90	8,000	78,63	5,500	78,759					6,25	79,886	1,127									
87+0.000	-11,496	86,876	9,00					-5,500	77,881	-3,900	78,01	-8,00	78,321	83,389	-5,068	3,90	8,000	78,63	5,500	78,761					7,06	81,094	2,333									
87+10.000	-10,83	85,81						-5,500	77,809	-3,900	77,94	-8,00	78,249	84,762	-5,913	3,90	8,000	78,56	5,500	78,689					7,48	81,655	2,966									
	-14,83	85,61																																		
	-17,755	89,991	12,18																																	
88+0.000	-10,83	85,65						-5,500	77,652	-3,900	77,78	-8,00	78,092	85,330	-7,238	3,90	8,000	78,40	5,500	78,532					8,21	82,589	4,057									
	-14,83	85,45																																		
	-18,274	90,613	12,96																																	
88+2.155	-10,83	85,61						-5,500	77,607	-3,900	77,74	-8,00	78,047	85,236	-7,189	3,90	8,000	78,36	5,500	78,487					8,06	82,333	3,846									
	-14,83	85,41																																		
	-18,392	90,745	13,14																																	
88+10.000	-10,66	85,51						-5,323	77,509	-3,723	77,61	-6,43	77,851	84,749	-6,898	3,72	8,430	78,09	5,323	78,193					7,59	81,586	3,393									
	-14,66	85,31																																		
	-18,599	91,222	13,71																																	
89+0.000	-10,43	85,30						-5,099	77,299	-3,499	77,37	-4,43	77,525	84,614	-7,089	3,50	8,430	77,68	5,098	77,751					7,22	80,930	3,179									
	-14,43	85,10																																		
	-18,366	91,000	13,70																																	
89+10.000	-10,21	84,98						-4,873	76,975	-3,273	77,02	-2,88	77,115	81,927	-4,811	3,27	8,430	77,20	4,873	77,234					5,21	77,735	0,501									
	-14,21	84,78																																		
	-18,342	90,978	14,00																																	
90+0.000	-11,062	86,242	9,62					-4,649	76,622	-3,049	76,64	-0,88	76,663	77,554	-0,891	3,05	8,430	76,68	4,648	76,683					8,17	74,333	-2,350									
90+2.155	-10,901	85,997	9,45					-4,600	76,545	-3,000	76,65	-0,45	76,566	77,123	-0,558	3,00	8,430	76,57	4,600	76,566					8,06	74,259	-2,307									
90+4.393	-10,824	85,801	9,34					-4,600	76,464	-3,000	76,46	0,00	76,464	76,798	-0,333	3,00	8,430	76,45	4,600	76,444					8,04	74,153	-2,291									
90+10.000	-10,794	85,407	9,14					-4,698	76,263	-3,098	76,25	1,12	76,211	75,974	0,237	3,10	8,430	76,16	4,698	76,137					8,08	73,884	-2,253									
91+0.000	-10,126	83,790	7,88					-4,873	75,911	-3,273	75,86	3,12	75,759	74,337	1,421	3,27	8,430	75,66	4,873	75,606					7,21	74,052	-1,554									
91+10.000	-11,404	85,098	9,53					-5,048	75,565	-3,448	75,48	5,12	75,306	76,978	-1,672	3,45	8,430	75,13	5,048	75,048					6,93	73,794	-1,254									
92+0.000	-11,762	85,036	9,81					-5,222	75,226	-3,622	75,11	7,12	74,854	78,747	-3,893	3,62	8,430	74,60	5,224	74,482					7,14	73,206	-1,276									



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo										Eixo										Lado Direito									
	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermoha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)									
	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Projeto	Terreno	%	Alast.	Cola	%	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola						
92+4.393	-11,679	84,648	9,57			-5,300	75,079	-3,700	74,95	8,00	74,655	79,290	-4,635	3,70	74,36	-8,000	5,300	74,231					7,09	73,037	-1,194					
92+10.000	-11,354	83,906	9,08			-5,300	74,826	-3,700	74,70	8,00	74,402	78,911	-4,510	3,70	74,11	-8,000	5,300	73,978					7,04	72,818	-1,160					
93+0.000	-10,510	82,188	7,81			-5,300	74,374	-3,700	74,25	8,00	73,950	77,809	-3,859	3,70	73,65	-8,000	5,300	73,526					6,97	72,410	-1,116					
93+7.436	-10,259	81,475	7,44			-5,300	74,037	-3,700	73,91	8,00	73,613	77,092	-3,478	3,70	73,32	-8,000	5,300	73,189					6,70	72,257	-0,932					
93+10.000	-10,122	81,154	7,23			-5,300	73,921	-3,700	73,79	8,00	73,497	77,081	-3,583	3,70	73,20	-8,000	5,300	73,073					6,68	72,152	-0,921					
94+0.000	-8,896	78,863	5,39			-5,300	73,469	-3,700	73,34	8,00	73,045	75,515	-2,469	3,70	72,75	-8,000	5,300	72,621					7,10	71,420	-1,201					
94+10.000	-9,015	78,590	5,57			-5,300	73,017	-3,700	72,89	8,00	72,593	71,990	0,603	3,70	72,30	-8,000	5,300	72,169					7,23	70,882	-1,287					
94+10.480	-8,984	78,521	5,53			-5,300	72,995	-3,700	72,87	8,00	72,571	71,828	0,743	3,70	72,28	-8,000	5,300	72,147					7,23	70,858	-1,289					
95+0.000	-6,217	74,080	1,63			-5,133	72,454	-3,533	72,36	6,10	72,141	70,628	1,513	3,53	71,93	-6,100	5,133	71,828					7,44	70,292	-1,536					
95+10.000	-5,797	73,150	1,26			-4,958	71,892	-3,358	71,83	4,10	71,689	70,112	1,577	3,36	71,55	-4,100	4,959	71,486					7,45	69,825	-1,661					
96+0.000	-5,298	72,108	0,77			-4,783	71,337	-3,183	71,30	2,10	71,236	69,602	1,634	3,18	71,14	-3,000	4,783	71,093					7,43	69,329	-1,764					
96+10.000	-8,049	75,949	5,16			-4,608	70,789	-3,008	70,79	0,10	70,784	69,140	1,644	3,01	70,69	-3,000	4,608	70,646					7,12	68,971	-1,675					
96+10.480	-8,030	75,907	5,15			-4,600	70,762	-3,000	70,76	0,00	70,762	69,117	1,645	3,00	70,67	-3,000	4,600	70,624					7,11	68,953	-1,671					
97+0.000	-7,905	75,202	4,96			-4,600	70,244	-3,000	70,28	-1,90	70,332	68,668	1,664	3,00	70,24	-3,000	4,600	70,194					6,98	68,605	-1,589					
98+0.000	-8,104	74,545	5,26			-4,600	69,290	-3,000	69,34	-3,00	69,428	67,725	1,703	3,00	69,34	-3,000	4,600	69,290					7,42	67,408	-1,882					
99+0.000	-8,393	74,074	5,69			-4,600	68,385	-3,000	68,43	-3,00	68,523	66,588	1,935	3,00	68,43	-3,000	4,600	68,385					7,58	66,398	-1,987					
100+0.000	-9,223	74,394	6,94			-4,600	67,459	-3,000	67,51	-3,00	67,597	68,244	-0,647	3,00	67,51	-3,000	4,600	67,459					7,94	65,233	-2,226					
101+0.000	-10,019	74,509	8,13			-4,600	66,381	-3,000	66,43	-3,00	66,519	69,972	-3,453	3,00	66,43	-3,000	4,600	66,381					8,02	64,104	-2,277					
102+0.000	-10,411	73,846	8,72			-4,600	65,130	-3,000	65,18	-3,00	65,288	69,252	-3,984	3,00	65,18	-3,000	4,600	65,130					7,81	62,988	-2,142					
103+0.000	-10,507	72,566	8,86			-4,600	63,705	-3,000	63,75	-3,00	63,843	67,068	-3,225	3,00	63,75	-3,000	4,600	63,705					7,75	61,608	-2,097					
104+0.000	-9,561	69,570	7,44			-4,600	62,129	-3,000	62,18	-3,00	62,267	59,899	2,367	3,00	62,18	-3,000	4,600	62,129					7,96	59,892	-2,237					
105+0.000	-8,931	67,027	6,50			-4,600	60,531	-3,000	60,58	-3,00	60,669	58,284	2,385	3,00	60,58	-3,000	4,600	60,531					8,18	58,143	-2,388					
106+0.000	-8,581	64,903	5,97			-4,600	58,932	-3,000	58,98	-3,00	59,070	56,765	2,305	3,00	58,98	-3,000	4,600	58,932					7,96	56,694	-2,238					
107+0.000	-8,760	63,574	6,24			-4,600	57,334	-3,000	57,38	-3,00	57,472	55,220	2,252	3,00	57,38	-3,000	4,600	57,334					8,38	54,814	-2,520					
108+0.000	-9,081	62,566	6,72			-4,600	55,844	-3,000	55,86	-0,64	55,874	53,884	1,990	3,00	55,78	-3,000	4,600	55,736					7,84	53,573	-2,163					
108+4.825	-9,206	62,397	6,91			-4,600	55,488	-3,000	55,49	0,00	55,488	53,526	1,963	3,00	55,40	-3,000	4,600	55,350					7,71	53,275	-2,075					
108+10.000	-9,440	62,290	7,18			-4,652	55,107	-3,052	55,10	0,69	55,075	53,099	1,976	3,05	54,98	-3,000	4,652	54,935					7,65	52,938	-1,997					
109+0.000	-9,895	62,088	7,72			-4,751	54,372	-3,151	54,34	2,02	54,276	52,273	2,003	3,15	54,18	-3,000	4,752	54,133					7,44	52,344	-1,789					
109+10.000	-9,516	60,635	7,00			-4,852	53,640	-3,252	53,59	3,36	53,477	51,374	2,103	3,25	53,37	-3,360	4,852	53,314					7,88	51,293	-2,021					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito					
	Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Off Set (Pl 06)					
	Alast.	Cota	All	Alast.	Cota	Rocha	Alast.	Cota	%	Projeto	Terreno	Vermilha	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All			
110+0.000	-8,676	58,497	5,59	-4,951	52,910		-3,351	52,84	4,69	52,678	50,457	2,221	3,35	52,52	-4,690	4,952	52,445									8,16	50,310	-2,135		
110+10.000	-7,697	56,152	3,97	-5,051	52,183		-3,451	52,09	6,02	51,879	49,603	2,275	3,45	51,67	-6,020	5,053	51,574									8,33	49,390	-2,184		
111+0.000	-6,421	53,363	1,91	-5,152	51,458		-3,552	51,34	7,36	51,079	48,750	2,329	3,55	50,82	-7,360	5,152	50,700									10,40	47,199	-3,501		
111+4.825	-6,120	52,490	1,38	-5,200	51,110		-3,600	50,98	8,00	50,694	48,327	2,367	3,60	50,41	-8,000	5,200	50,278									11,48	46,095	-4,183		
111+10.000	-5,275	50,646	-0,05	-5,200	50,696		-3,600	50,57	8,00	50,280	47,863	2,417	3,60	49,99	-8,000	5,200	49,864									11,19	45,871	-3,993		
112+0.000	-6,222	49,256	-0,68	-5,200	49,937		-3,600	49,81	8,00	49,521	46,888	2,634	3,60	49,23	-8,000	5,200	49,105									11,58	44,849	-4,256		
112+10.000	-8,207	47,254	-2,00	-5,200	49,258		-3,600	49,13	8,00	48,842	46,194	2,648	3,60	48,55	-8,000	5,200	48,426									12,05	43,857	-4,569		
113+0.000	-8,760	46,286	-2,37	-5,200	48,659		-3,600	48,53	8,00	48,243	45,809	2,434	3,60	47,96	-8,000	5,200	47,827									10,13	44,541	-3,286		
113+10.000	-9,660	45,167	-2,97	-5,200	48,140		-3,600	48,01	8,00	47,724	45,560	2,164	3,60	47,44	-8,000	5,200	47,308									9,71	44,299	-3,009		
113+10.498	-9,676	45,132	-2,99	-5,200	48,117		-3,600	47,99	8,00	47,701	45,541	2,159	3,60	47,41	-8,000	5,200	47,285									9,71	44,278	-3,007		
114+0.000	-9,812	44,627	-3,07	-5,200	47,701		-3,600	47,57	8,00	47,285	45,123	2,163	3,60	47,00	-8,000	5,200	46,869									9,51	43,994	-2,875		
114+10.000	-8,966	44,832	-2,51	-5,200	47,343		-3,600	47,22	8,00	46,927	44,772	2,154	3,60	46,64	-8,000	5,200	46,511									8,76	44,137	-2,374		
115+0.000	-10,453	43,562	-3,50	-5,200	47,064		-3,600	46,94	8,00	46,648	44,757	1,890	3,60	46,36	-8,000	5,200	46,232									8,26	44,192	-2,040		
115+10.000	-7,993	45,003	-1,86	-5,200	46,865		-3,600	46,74	8,00	46,449	44,491	1,958	3,60	46,16	-8,000	5,200	46,033									8,11	44,090	-1,943		
115+16.171	-7,409	45,310	-1,47	-5,200	46,782		-3,600	46,65	8,00	46,366	44,563	1,803	3,60	46,08	-8,000	5,200	45,950									7,92	44,136	-1,814		
116+0.000	-7,023	45,475	-1,24	-5,161	46,717		-3,561	46,60	7,49	46,330	44,602	1,729	3,56	46,06	-7,490	5,163	45,943									7,88	44,129	-1,814		
116+10.000	-6,591	48,898	2,30	-5,061	46,603		-3,461	46,50	6,16	46,291	44,646	1,646	3,46	46,08	-6,160	5,063	45,980									7,56	44,312	-1,668		
117+0.000	-9,801	53,832	7,26	-4,961	46,572		-3,361	46,50	4,82	46,333	46,204	0,128	3,36	46,17	-4,820	4,961	46,093									7,56	44,362	-1,731		
117+10.000	-11,496	56,576	9,95	-4,861	46,624		-3,261	46,57	3,49	46,454	49,442	-2,989	3,26	46,34	-3,490	4,862	46,284									7,82	44,312	-1,972		
118+0.000	-10,10	54,72		-4,761	46,718		-3,161	46,68	2,16	46,615	52,014	-5,399	3,16	46,52	-3,000	4,762	46,472									8,08	44,260	-2,212		
118+10.000	-18,957	61,811	15,09	-4,662	46,815		-3,062	46,80	0,82	46,777	51,699	-4,922	3,06	46,69	-3,000	4,662	46,637									5,01	47,160	0,523		
118+16.171	-9,93	54,88		-4,600	46,876		-3,000	46,88	0,00	46,876	51,104	-4,228	3,00	46,79	-3,000	4,600	46,738									5,38	47,912	1,174		
119+0.000	-9,93	54,92		-4,600	46,915		-3,000	46,92	-0,51	46,938	50,800	-3,862	3,00	46,85	-3,000	4,600	46,800									5,82	48,632	1,832		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
		Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Projeto	Terreno	Alast.	Cola	%	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola					
132+3.943	ET	-5,750	45,430	-0,77			-4,600	46,197	-3,000	46,20	0,00	46,197	43,817	2,380	3,00	46,11	-3,000	4,600	46,059					10,11	42,384	-3,675					
133+0.000		-6,997	44,121	-1,60			-4,600	45,718	-3,000	45,74	-1,34	45,780	43,653	2,126	3,00	45,69	-3,000	4,600	45,642					9,65	42,275	-3,367					
134+0.000		-8,375	42,908	-2,52			-4,600	45,425	-3,000	45,47	-3,00	45,563	43,662	1,901	3,00	45,47	-3,000	4,600	45,425					9,02	42,476	-2,949					
135+0.000		-6,727	44,126	-1,42			-4,600	45,543	-3,000	45,59	-3,00	45,681	43,933	1,748	3,00	45,59	-3,000	4,600	45,543					7,76	43,434	-2,109					
136+0.000		-6,548	44,698	-1,30			-4,600	45,997	-3,000	46,05	-3,00	46,135	43,925	2,210	3,00	46,05	-3,000	4,600	45,997					9,23	42,913	-3,084					
137+0.000		-8,142	44,425	-2,36			-4,600	46,786	-3,000	46,83	-3,00	46,924	44,298	2,626	3,00	46,85	-2,370	4,600	46,815					11,36	42,308	-4,507					
137+8.875	TS	-8,638	44,552	-2,69			-4,600	47,244	-3,000	47,29	-3,00	47,382	44,200	3,182	3,00	47,38	0,000	4,600	47,382					15,58	40,064	-7,318					
137+10.000		-8,692	44,593	-2,71			-4,622	47,306	-3,022	47,35	-3,00	47,445	44,238	3,207	3,02	47,45	0,300	4,622	47,459					15,34	40,311	-7,148					
138+0.000		-9,827	44,568	-3,34			-4,823	47,904	-3,223	47,95	-3,00	48,049	44,629	3,420	3,22	48,15	2,970	4,822	48,192					12,49	43,078	-5,114					
138+10.000		-10,082	45,081	-3,37			-5,023	48,454	-3,423	48,54	-5,63	48,737	44,820	3,917	3,42	48,93	5,630	5,022	49,020					14,40	42,770	-6,250					
138+18.875	EC	-10,371	45,555	-3,45			-5,200	49,002	-3,600	49,13	-8,00	49,418	45,227	4,192	3,60	49,71	8,000	5,200	49,834					16,16	42,529	-7,305					
139+0.000		-10,379	45,640	-3,45			-5,200	49,093	-3,600	49,22	-8,00	49,509	45,314	4,196	3,60	49,80	8,000	5,200	49,925					16,21	42,589	-7,336					
139+10.000		-8,644	47,653	-2,30			-5,200	49,949	-3,600	50,08	-8,00	50,365	46,230	4,135	3,60	50,65	8,000	5,200	50,781					17,75	42,413	-8,368					
139+17.240		-7,252	49,231	-1,37			-5,200	50,599	-3,600	50,73	-8,00	51,015	46,848	4,167	3,60	51,30	8,000	5,200	51,431					17,14	43,472	-7,959					
140+0.000		-6,423	50,032	-0,82			-5,200	50,847	-3,600	50,98	-8,00	51,263	47,053	4,210	3,60	51,55	8,000	5,200	51,679					16,03	44,461	-7,218					
140+10.000		-5,441	52,106	0,36			-5,200	51,745	-3,600	51,87	-8,00	52,161	48,059	4,102	3,60	52,45	8,000	5,200	52,577					12,04	48,016	-4,561					
140+15.605	CE	-6,021	53,480	1,23			-5,200	52,248	-3,600	52,38	-8,00	52,664	48,721	3,943	3,60	52,95	8,000	5,200	53,080					11,90	48,612	-4,468					
141+0.000		-6,273	54,451	1,74			-5,112	52,710	-3,512	52,82	-6,83	53,059	49,046	4,013	3,51	53,30	6,830	5,112	53,408					11,47	49,172	-4,236					
141+10.000		-5,797	55,079	1,33			-4,912	53,752	-3,312	53,82	-4,16	53,957	53,797	0,159	3,31	54,09	4,160	4,912	54,161					10,48	50,450	-3,711					
142+0.000		-5,321	55,626	0,91			-4,712	54,713	-3,112	54,76	-3,00	54,854	54,560	0,294	3,11	54,90	1,490	4,712	54,925					10,26	51,229	-3,696					
142+5.605	ET	-4,852	55,598	0,38			-4,600	55,220	-3,000	55,27	-3,00	55,358	54,323	1,035	3,00	55,36	0,000	4,600	55,358					10,02	51,745	-3,613					
143+0.000		-5,156	57,419	0,83			-4,600	56,586	-3,000	56,61	-1,40	56,650	55,757	0,893	3,00	56,56	-3,000	4,600	56,512					9,74	53,084	-3,428					
143+10.520	TS	-5,657	59,181	1,59			-4,600	57,595	-3,000	57,60	0,00	57,595	57,498	0,097	3,00	57,51	-3,000	4,600	57,457					9,30	54,322	-3,135					
144+0.000		-6,470	61,168	2,66			-4,695	58,505	-3,095	58,49	1,26	58,446	58,416	0,030	3,10	58,35	-3,000	4,695	58,305					8,44	55,810	-2,495					
144+10.000		-7,064	62,872	3,40			-4,794	59,468	-3,194	59,43	2,60	59,344	60,445	-1,101	3,20	59,25	-3,000	4,795	59,200					8,37	56,817	-2,383					
145+0.000		-7,492	64,331	3,90			-4,894	60,434	-3,294	60,37	3,93	60,241	61,773	-1,531	3,30	60,11	-3,930	4,895	60,049					8,16	57,872	-2,177					
145+10.000		-7,734	65,512	4,11			-4,994	61,402	-3,394	61,32	5,26	61,139	62,592	-1,453	3,39	60,96	-5,260	4,994	60,876					8,30	58,671	-2,205					
146+0.000		-7,669	66,236	3,86			-5,094	62,373	-3,494	62,27	6,60	62,037	63,060	-1,023	3,50	61,81	-6,600	5,096	61,701					8,56	59,394	-2,307					
146+10.000		-7,868	67,358	4,01			-5,193	63,347	-3,593	63,22	7,93	62,935	64,133	-1,198	3,60	62,65	-7,930	5,196	62,523					8,88	60,066	-2,457					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais					Lado Esquerdo										Eixo					Lado Direito							
	Of Set (Pl 01)	Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Cota		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Cota		Off Set (Pl 06)		
	Alast.	Cota	Ali	Alast.	Cota	Alast.	Cota	Projeto	Terreno	Vermeha	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Ali	
146+10.520	-7,877	67,413	4,01			-3,600	63,27	8,00	62,982	64,146	-1,165	3,60	-8,000	5,200	62,566											8,90	60,101	-2,465
147+0,000	-7,818	68,175	3,93			-3,600	64,12	8,00	63,833	63,726	0,106	3,60	-8,000	5,200	63,417											9,19	60,756	-2,661
147+10,000	-8,169	69,600	4,45			-3,600	65,02	8,00	64,731	66,181	-1,451	3,60	-8,000	5,200	64,315											9,00	61,784	-2,531
147+16,181	-8,354	70,433	4,73			-3,600	65,57	8,00	65,286	66,611	-1,325	3,60	-8,000	5,200	64,870											8,96	62,365	-2,505
148+0,000	-8,444	70,910	4,86			-3,600	65,92	8,00	65,629	66,154	-0,525	3,60	-8,000	5,200	65,213											8,68	62,893	-2,320
148+10,000	-8,723	72,226	5,28			-3,600	66,81	8,00	66,526	67,472	-0,946	3,60	-8,000	5,200	66,110											8,34	64,015	-2,095
149+0,000	-8,664	73,036	5,20			-3,600	67,71	8,00	67,424	66,229	1,195	3,60	-8,000	5,200	67,008											8,12	65,064	-1,944
149+1,841	-8,793	73,395	5,39			-3,600	67,88	8,00	67,590	66,827	0,762	3,60	-8,000	5,200	67,174											7,99	65,313	-1,861
149+10,000	-9,159	74,738	6,06			-3,518	68,57	6,91	68,322	68,346	-0,024	3,52	-6,910	5,119	67,968											7,54	66,354	-1,614
150+0,000	-9,405	76,080	6,58			-3,418	69,41	5,58	69,220	69,696	-0,476	3,42	-5,580	5,018	68,940											7,25	67,454	-1,486
150+10,000	-9,564	77,296	6,97			-3,318	70,26	4,25	70,118	72,268	-2,151	3,32	-4,250	4,919	69,909											7,05	68,490	-1,419
151+0,000	-9,621	78,360	7,20			-3,218	71,11	2,91	71,016	71,612	-0,597	3,22	-3,000	4,819	70,871											6,86	69,512	-1,359
151+10,000	-9,712	79,478	7,49			-3,118	71,96	1,58	71,913	73,479	-1,565	3,12	-3,000	4,719	71,772											6,86	70,342	-1,430
152+0,000	-9,647	80,366	7,54			-3,018	72,82	0,25	72,811	75,040	-2,229	3,02	-3,000	4,618	72,673											6,44	71,458	-1,215
152+1,841	-9,630	80,521	7,55			-3,000	72,98	0,00	72,976	75,455	-2,480	3,00	-3,000	4,600	72,838											6,36	71,662	-1,176
153+0,000	-10,128	82,688	8,29			-3,000	74,43	-2,42	74,507	78,308	-3,801	3,00	-3,000	4,600	74,369											6,06	73,398	-0,971
154+0,000	-10,755	85,098	9,23			-3,000	75,91	-3,00	76,003	80,278	-4,275	3,00	-3,000	4,600	75,865											5,59	77,343	1,478
155+0,000	-10,318	85,804	8,58			-3,000	77,25	-1,58	77,300	81,753	-4,454	3,00	-3,000	4,600	77,162											5,43	78,400	1,238
155+6,577	-9,664	85,279	7,60			-3,000	77,68	0,00	77,682	81,640	-3,958	3,00	-3,000	4,600	77,544											4,97	78,101	0,557
155+10,000	-9,422	85,075	7,16			-3,046	77,90	0,82	77,873	81,581	-3,708	3,05	-3,000	4,646	77,734											4,69	77,993	0,059
156+0,000	-8,881	84,704	6,15			-3,179	78,50	3,22	78,396	81,390	-2,994	3,18	-3,220	4,779	78,242											4,98	78,111	-0,131
156+10,000	-8,349	84,302	5,16			-3,312	79,06	5,62	78,870	81,176	-2,306	3,31	-5,620	4,912	78,594											4,99	78,709	0,115
156+16,577	-7,907	83,875	4,36			-3,400	79,40	7,20	79,154	79,323	-0,169	3,40	-7,200	5,000	78,794											5,20	79,686	0,292
157+0,000	-7,794	83,845	4,19			-3,400	79,54	7,20	79,293	79,441	-0,147	3,40	-7,200	5,000	78,933											5,23	79,282	0,349
157+8,860	-7,392	83,575	3,59			-3,400	79,87	7,20	79,627	79,755	-0,128	3,40	-7,200	5,000	79,267											5,27	79,676	0,409
157+10,000	-7,322	83,509	3,48			-3,400	79,91	7,20	79,667	79,798	-0,131	3,40	-7,200	5,000	79,307											5,28	79,723	0,416
158+0,000	-6,298	82,298	1,95			-3,400	80,24	7,20	79,991	80,097	-0,106	3,40	-7,200	5,000	79,631											5,33	80,132	0,501
158+1,143	-6,416	82,509	2,12			-3,400	80,27	7,20	80,025	80,197	-0,173	3,40	-7,200	5,000	79,665											5,34	80,179	0,514
158+10,000	-7,645	84,658	4,15			-3,282	80,43	5,07	80,265	82,832	-2,567	3,28	-5,070	4,882	80,017											5,23	80,545	0,528



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito					
	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermoha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Projeto	Terreno	%	Alast.	Cola	%	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola								
159+0.000	-9,057	87,078	6,46			-4,748	80,615	-3,148	80,57	2,67	80,488	84,725	-4,237	3,15	80,39	-3,000	4,749	80,346				5,13	80,916	0,570						
159+10.000	-9,965	88,699	8,02			-4,615	80,675	-3,015	80,67	0,27	80,662	86,065	-5,402	3,02	80,57	-3,000	4,615	80,524				5,28	81,524	1,000						
159+11.143	-10,061	88,871	8,19			-4,600	80,679	-3,000	80,68	0,00	80,679	86,217	-5,537	3,00	80,59	-3,000	4,600	80,541				5,31	81,602	1,061						
160+0.000	-10,943	90,204	9,52			-4,600	80,689	-3,000	80,72	-2,13	80,786	87,366	-6,579	3,00	80,70	-3,000	4,600	80,648				5,55	82,078	1,430						
161+0.000	-9,93	88,75				-4,600	80,747	-3,000	80,80	-3,00	80,885	87,047	-6,162	3,00	80,80	-3,000	4,600	80,747				5,09	81,478	0,731						
	-13,93	88,55																												
	-17,032	93,194	12,45																											
162+0.000	-11,163	90,489	9,84			-4,600	80,645	-3,000	80,69	-3,00	80,783	83,556	-2,773	3,00	80,69	-3,000	4,600	80,645				4,63	80,629	-0,016						
163+0.000	-11,235	90,297	9,95			-4,600	80,344	-3,000	80,39	-3,00	80,482	85,067	-4,584	3,00	80,39	-3,000	4,600	80,344				5,38	79,825	-0,519						
164+0.000	-9,717	87,518	7,68			-4,600	79,843	-3,000	79,89	-3,00	79,981	83,230	-3,248	3,00	79,96	-0,650	4,600	79,952				6,82	78,473	-1,479						
164+3.243	-9,408	86,955	7,21			-4,600	79,743	-3,000	79,79	-3,00	79,881	82,971	-3,089	3,00	79,88	0,000	4,600	79,881				7,07	78,235	-1,646						
164+10.000	-9,195	86,152	6,64			-4,769	79,513	-3,169	79,56	-3,00	79,656	82,438	-2,782	3,17	79,70	1,350	4,769	79,721				7,77	77,721	-2,000						
165+0.000	-9,027	85,125	6,01			-5,019	79,113	-3,419	79,17	-3,35	79,281	81,542	-2,261	3,42	79,40	3,350	5,019	79,449				8,78	76,941	-2,508						
165+10.000	-8,693	83,708	5,13			-5,270	78,574	-3,670	78,66	-5,35	78,856	79,393	-0,538	3,67	79,05	5,350	5,268	79,138				9,80	76,120	-3,018						
166+0.000	-8,867	82,998	5,02			-5,519	77,975	-3,919	78,09	-7,35	78,381	78,902	-0,522	3,92	78,67	7,350	5,519	78,786				10,73	75,313	-3,473						
166+3.243	-8,989	82,851	5,08			-5,600	77,768	-4,000	77,90	-8,00	78,216	78,779	-0,563	4,00	78,54	8,000	5,600	78,664				11,11	74,994	-3,670						
166+10.000	-9,106	82,666	5,26			-5,600	77,408	-4,000	77,54	-8,00	77,856	78,743	-0,888	4,00	78,18	8,000	5,600	78,304				11,67	74,254	-4,050						
167+0.000	-9,666	82,931	6,10			-5,600	76,833	-4,000	76,96	-8,00	77,281	78,649	-1,368	4,00	77,60	8,000	5,600	77,729				12,60	73,065	-4,664						
167+10.000	-9,275	81,721	5,51			-5,600	76,208	-4,000	76,34	-8,00	76,656	77,964	-1,308	4,00	76,98	8,000	5,600	77,104				12,95	72,206	-4,898						
167+15.374	-9,333	81,450	5,60			-5,600	75,851	-4,000	75,98	-8,00	76,299	77,713	-1,413	4,00	76,62	8,000	5,600	76,747				13,05	71,779	-4,968						
168+0.000	-9,231	80,980	5,45			-5,600	75,533	-4,000	75,66	-8,00	75,981	77,706	-1,725	4,00	76,30	8,000	5,600	76,429				13,12	71,416	-5,013						
168+10.000	-9,209	80,222	5,41			-5,600	74,808	-4,000	74,94	-8,00	75,256	76,965	-1,708	4,00	75,58	8,000	5,600	75,704				13,17	70,657	-5,047						
169+0.000	-9,107	79,294	5,26			-5,600	74,034	-4,000	74,16	-8,00	74,482	75,952	-1,470	4,00	74,80	8,000	5,600	74,930				13,32	69,780	-5,150						
169+7.505	-9,040	78,594	5,16			-5,600	73,434	-4,000	73,56	-8,00	73,882	74,948	-1,067	4,00	74,20	8,000	5,600	74,330				13,75	68,894	-5,436						
169+10.000	-8,775	78,124	4,86			-5,537	73,267	-3,937	73,39	-7,50	73,682	74,683	-1,001	3,94	73,98	7,500	5,537	74,098				13,74	68,629	-5,469						
170+0.000	-7,680	76,180	3,59			-5,288	72,592	-3,688	72,68	-5,50	72,883	73,334	-0,451	3,69	73,09	5,500	5,287	73,174				12,73	68,214	-4,960						
170+10.000	-7,455	75,533	3,63			-5,038	71,907	-3,438	71,96	-3,50	72,083	72,500	-0,417	3,44	72,20	3,500	5,037	72,259				11,87	67,707	-4,552						
171+0.000	-7,553	75,287	4,15			-4,788	71,140	-3,188	71,19	-3,00	71,284	71,859	-0,576	3,19	71,33	1,500	4,787	71,355				10,93	67,259	-4,096						
171+7.505	-7,569	74,999	4,45			-4,600	70,545	-3,000	70,59	-3,00	70,683	71,675	-0,991	3,00	70,65	-1,290	4,600	70,624				9,98	67,038	-3,586						



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito							
	Off Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Off Set (Pl 06)							
	Alast.	Cota	All	Alast.	Cota	Rocha	Alast.	Cota	Cota	Alast.	Cota	%	Projeto	Terreno	Vermeha	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	All				
171+12.359	-7,758	74,894	4,74				-4,600	70,157	-3,000	70,21	-3,00	70,295	71,496	-1,200	3,00	70,30	0,000	4,600	70,295									9,69	66,902	-3,393		
172+0.000	-8,335	74,875	5,33				-4,778	69,541	-3,178	69,59	-3,00	69,684	71,219	-1,535	3,18	69,75	2,040	4,778	69,782									9,46	66,660	-3,122		
172+10.000	-9,483	75,356	6,71				-5,012	68,649	-3,412	68,72	-4,70	68,885	70,772	-1,887	3,41	69,05	4,700	5,011	69,121									8,98	66,472	-2,649		
173+0.000	-10,837	76,086	8,39				-5,245	67,699	-3,645	67,82	-7,37	68,085	70,721	-2,635	3,65	68,35	7,370	5,245	68,472									8,61	66,229	-2,243		
173+2.359	-10,962	75,966	8,49				-5,300	67,473	-3,700	67,60	-8,00	67,897	70,572	-2,676	3,70	68,19	8,000	5,300	68,321									8,57	66,142	-2,179		
173+10.000	-11,144	75,628	8,77				-5,300	66,862	-3,700	66,99	-8,00	67,286	69,627	-2,342	3,70	67,58	8,000	5,300	67,710									7,97	65,931	-1,779		
173+15.112	-11,372	75,561	9,11				-5,300	66,453	-3,700	66,58	-8,00	66,877	69,146	-2,269	3,70	67,17	8,000	5,300	67,301									7,60	65,770	-1,531		
174+0.000	-11,679	75,631	9,57				-5,300	66,062	-3,700	66,19	-8,00	66,486	69,324	-2,838	3,70	66,78	8,000	5,300	66,910									7,28	65,593	-1,317		
174+7.864	-11,746	75,103	9,67				-5,300	65,433	-3,700	65,56	-8,00	65,857	67,094	-1,236	3,70	66,15	8,000	5,300	66,281									7,67	64,702	-1,579		
174+10.000	-11,720	75,001	9,71				-5,251	65,296	-3,651	65,42	-7,43	65,687	66,795	-1,109	3,65	65,96	7,430	5,250	66,077									7,59	64,514	-1,563		
175+0.000	-10,35	72,65					-5,017	64,648	-3,417	64,72	-4,76	64,887	66,434	-1,547	3,42	65,05	4,760	5,017	65,126									6,55	64,102	-1,024		
	-14,35	72,45																														
	-18,175	78,185	13,54																													
175+10.000	-10,12	71,94					-4,783	63,944	-3,183	63,99	-3,00	64,087	65,177	-1,090	3,18	64,15	2,100	4,783	64,188									6,83	62,822	-1,366		
	-14,12	71,74																														
175+17.864	-17,940	71,478	13,53																													
	-9,93	71,33					-4,600	63,333	-3,000	63,38	-2,73	63,459	64,551	-1,092	3,00	63,46	0,000	4,600	63,459									5,97	62,548	-0,911		
	-13,93	71,13																														
	-17,792	76,921	13,59																													
176+0.000	-9,93	71,18					-4,600	63,182	-3,000	63,22	-2,30	63,288	64,929	-1,642	3,00	63,27	-0,570	4,600	63,262									5,77	62,484	-0,778		
	-13,93	70,98																														
	-17,698	76,629	13,45																													
176+11.514	-11,041	72,029	9,66				-4,600	62,367	-3,000	62,37	0,00	62,367	61,683	0,684	3,00	62,28	-3,000	4,600	62,229									6,06	61,258	-0,971		
177+0.000	-10,842	70,847	9,08				-4,791	61,770	-3,191	61,74	1,70	61,689	60,439	1,249	3,19	61,59	-3,000	4,791	61,545									6,56	60,364	-1,181		
177+10.000	-9,890	68,424	7,31				-5,016	61,113	-3,416	61,05	3,70	60,927	59,487	1,440	3,42	60,80	-3,700	5,016	60,742									6,90	59,485	-1,257		
178+0.000	-8,726	65,769	5,23				-5,240	60,540	-3,640	60,45	5,70	60,242	58,553	1,689	3,64	60,03	-5,700	5,242	59,943									11,66	55,667	-4,276		
178+10.000	-6,483	61,579	1,53				-5,466	60,053	-3,866	59,93	7,70	59,632	57,737	1,896	3,87	59,34	-7,700	5,466	59,212									10,51	55,851	-3,361		
178+11.514	-5,556	59,949	-0,04				-5,500	59,987	-3,900	59,86	8,00	59,547	57,606	1,941	3,90	59,24	-8,000	5,500	59,107									10,32	55,892	-3,215		
179+0.000	-7,847	57,975	-1,56				-5,500	59,539	-3,900	59,41	8,00	59,099	56,848	2,251	3,90	58,79	-8,000	5,500	58,659									9,40	56,056	-2,603		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito					
	Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Vermoha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Off Set (Pl 06)		
	Afast.	Cota	All	Afast.	Cota	Rocha	Afast.	Cota	Rocha	%	Projeto	Terreno	Cota	%	Afast.	Cota	%	Afast.	Cota	%	Afast.	Cota	Rocha	Afast.	Cota	Rocha	Afast.	Cota	All	Cota
179+10.000	-8,738	56,923	-2,16	-5,500	59,082	-3,900	58,95	8,00	58,642	56,639	2,003	3,90	58,33	-8,000	5,500	58,202												8,83	55,981	-2,221
179+15.300	-8,858	56,631	-2,24	-5,500	58,870	-3,900	58,74	8,00	58,430	56,528	1,902	3,90	58,12	-8,000	5,500	57,990												8,40	56,057	-1,933
180+0.000	-9,066	56,323	-2,38	-5,500	58,701	-3,900	58,57	8,00	58,261	56,418	1,843	3,90	57,95	-8,000	5,500	57,821												8,05	56,121	-1,700
180+10.000	-9,185	55,939	-2,46	-5,500	58,396	-3,900	58,27	8,00	57,956	56,314	1,641	3,90	57,64	-8,000	5,500	57,516												7,61	56,110	-1,406
180+19,086	-8,357	56,280	-1,90	-5,500	58,184	-3,900	58,06	8,00	57,744	56,205	1,539	3,90	57,43	-8,000	5,500	57,304												7,46	56,000	-1,304
181+0.000	-8,089	56,415	-1,74	-5,479	58,155	-3,879	58,03	7,82	57,727	56,264	1,463	3,88	57,42	-7,820	5,479	57,298												7,41	56,013	-1,285
181+10.000	-6,391	57,121	-0,76	-5,254	57,879	-3,654	57,79	5,82	57,574	56,350	1,223	3,66	57,36	-5,820	5,255	57,268												6,95	56,138	-1,130
182+0.000	-5,799	57,175	-0,51	-5,029	57,689	-3,429	57,63	3,82	57,497	56,410	1,087	3,43	57,37	-3,820	5,029	57,305												6,97	56,013	-1,292
182+10.000	-5,100	57,386	-0,20	-4,804	57,583	-3,204	57,55	1,82	57,496	56,450	1,046	3,21	57,40	-3,000	4,805	57,352												6,72	56,076	-1,276
182+19,086	-5,381	58,733	1,17	-4,600	57,561	-3,000	57,56	0,00	57,561	56,470	1,091	3,00	57,47	-3,000	4,600	57,423												6,56	56,114	-1,309
183+0.000	-5,444	58,829	1,27	-4,600	57,563	-3,000	57,57	-0,18	57,571	56,444	1,127	3,00	57,48	-3,000	4,600	57,433												6,59	56,106	-1,327
184+0.000	-6,393	60,350	2,69	-4,600	57,660	-3,000	57,71	-3,00	57,798	56,403	1,395	3,00	57,73	-2,280	4,600	57,693												6,56	56,390	-1,303
184+11,414	-7,361	61,931	4,14	-4,600	57,789	-3,000	57,84	-3,00	57,927	56,598	1,329	3,00	57,93	0,000	4,600	57,927												7,04	56,304	-1,623
185+0.000	-8,209	63,125	5,24	-4,715	57,883	-3,115	57,93	-3,00	58,025	56,764	1,260	3,11	58,08	1,720	4,714	58,106												7,31	56,378	-1,728
185+10.000	-8,589	63,570	5,61	-4,848	57,958	-3,248	58,02	-3,72	58,138	57,225	0,913	3,25	58,26	3,720	4,848	58,318												7,51	56,541	-1,777
186+0.000	-8,777	63,661	5,69	-4,981	57,967	-3,381	58,06	-5,72	58,251	58,100	0,151	3,38	58,45	5,720	4,981	58,536												8,12	56,444	-2,092
186+1,414	-8,727	63,557	5,59	-5,000	57,967	-3,400	58,06	-6,00	58,267	57,989	0,279	3,40	58,47	6,000	5,000	58,567												8,19	56,438	-2,129
186+10.000	-8,253	62,944	4,88	-5,000	58,065	-3,400	58,16	-6,00	58,365	57,522	0,843	3,40	58,57	6,000	5,000	58,665												8,29	56,473	-2,192
186+15,398	-8,010	62,641	4,52	-5,000	58,126	-3,400	58,22	-6,00	58,426	57,416	1,010	3,40	58,63	6,000	5,000	58,726												8,34	56,499	-2,227
187+0.000	-7,841	62,440	4,26	-5,000	58,178	-3,400	58,27	-6,00	58,478	57,414	1,065	3,40	58,68	6,000	5,000	58,778												8,38	56,523	-2,255
187+9,383	-6,813	61,004	2,72	-5,000	58,285	-3,400	58,38	-6,00	58,585	57,762	1,423	3,40	58,79	6,000	5,000	58,885												8,29	56,694	-2,191
187+10.000	-6,730	60,906	2,61	-4,992	58,298	-3,392	58,39	-5,88	58,592	57,766	1,425	3,39	58,79	5,880	4,992	58,885												8,26	56,705	-2,180
188+0.000	-5,990	60,213	1,70	-4,859	58,517	-3,259	58,58	-3,88	58,705	57,293	1,412	3,26	58,83	3,880	4,858	58,893												8,25	56,633	-2,260
188+10.000	-5,189	59,372	0,70	-4,725	58,676	-3,125	58,72	-3,00	58,818	57,478	1,340	3,13	58,88	1,880	4,725	58,907												8,06	56,681	-2,226
188+19,383	-4,867	59,187	0,40	-4,600	58,787	-3,000	58,84	-3,00	58,925	57,696	1,229	3,00	58,93	0,000	4,600	58,925												7,86	56,751	-2,174
189+0.000	-4,857	59,179	0,39	-4,600	58,794	-3,000	58,84	-3,00	58,932	57,850	1,082	3,00	58,93	-0,120	4,600	58,926												7,68	56,875	-2,051
190+0.000	-5,283	60,044	1,02	-4,600	59,020	-3,000	59,07	-3,00	59,158	58,565	0,594	3,00	59,07	-3,000	4,600	59,020												7,65	56,990	-2,030
191+0.000	-5,049	59,920	0,67	-4,600	59,247	-3,000	59,30	-3,00	59,385	58,311	1,074	3,00	59,30	-3,000	4,600	59,247												7,66	57,205	-2,042
192+0.000	-4,867	59,875	0,40	-4,600	59,474	-3,000	59,52	-3,00	59,612	57,926	1,686	3,00	59,52	-3,000	4,600	59,474												7,00	57,872	-1,602



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito											
		Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermoha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)															
		Alast.	Cota	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota												
193+0.000		-5,138	60,508	0,81			-4,600	59,700	-3,000	59,75	-3,00	59,838	58,462	1,377	3,00	59,75	-3,000	4,600	59,700						6,54	58,408	-1,292										
193+15,757	TS	-6,493	62,682	2,84			-4,600	59,843	-3,000	59,89	-3,00	59,981	59,417	0,564	3,00	59,98	0,000	4,600	59,981						5,65	59,279	-0,702										
194+0.000		-7,085	63,489	3,62			-4,671	59,867	-3,071	59,92	-3,00	60,007	59,673	0,335	3,07	60,04	1,100	4,671	60,089						5,08	59,790	-0,269										
194+10.000		-7,770	64,269	4,40			-4,837	59,869	-3,237	59,93	-3,70	60,049	59,928	0,121	3,24	60,17	3,700	4,837	60,228						5,06	60,081	-0,147										
195+0.000		-8,825	65,476	5,73			-5,004	59,746	-3,404	59,85	-6,30	60,061	60,200	-0,139	3,40	60,28	6,300	5,004	60,376						5,22	60,232	-0,144										
195+5.757	EC	-8,900	65,358	5,70			-5,100	59,657	-3,500	59,78	-7,80	60,055	60,059	-0,004	3,50	60,33	7,800	5,100	60,463						5,54	60,160	-0,293										
195+10.000		-8,764	65,143	5,50			-5,100	59,647	-3,500	59,77	-7,80	60,044	59,956	0,088	3,50	60,32	7,800	5,100	60,442						5,62	60,097	-0,345										
196+0.000		-8,721	65,032	5,43			-5,100	59,601	-3,500	59,73	-7,80	59,999	59,717	0,282	3,50	60,27	7,800	5,100	60,397						5,81	59,923	-0,474										
196+6.056		-8,367	64,461	4,90			-5,100	59,560	-3,500	59,69	-7,80	59,958	59,394	0,564	3,50	60,23	7,800	5,100	60,355						6,25	59,587	-0,768										
196+10.000		-8,102	64,030	4,50			-5,100	59,527	-3,500	59,65	-7,80	59,925	59,193	0,732	3,50	60,20	7,800	5,100	60,323						6,57	59,343	-0,980										
197+0.000		-7,517	63,049	3,63			-5,100	59,424	-3,500	59,55	-7,80	59,822	58,731	1,091	3,50	60,10	7,800	5,100	60,219						7,36	58,715	-1,504										
197+6.354	OE	-7,275	62,605	3,26			-5,100	59,343	-3,500	59,47	-7,80	59,741	58,386	1,355	3,50	60,01	7,800	5,100	60,139						7,27	58,689	-1,450										
197+10.000		-6,977	62,251	2,91			-5,039	59,344	-3,439	59,45	-6,85	59,690	58,184	1,506	3,44	59,93	6,850	5,039	60,035						7,96	58,088	-1,947										
198+0.000		-6,281	61,434	2,11			-4,873	59,322	-3,273	59,39	-4,25	59,529	57,629	1,899	3,27	59,67	4,250	4,872	59,736						9,77	56,473	-3,263										
198+10.000		-5,437	60,294	1,10			-4,706	59,198	-3,106	59,25	-3,00	59,339	57,043	2,296	3,11	59,39	1,650	4,706	59,417						7,73	57,401	-2,016										
198+16.354	ET	-4,937	59,571	0,50			-4,600	59,066	-3,000	59,11	-3,00	59,204	56,695	2,509	3,00	59,20	0,000	4,600	59,204						7,84	57,043	-2,161										
199+0.000		-4,840	59,342	0,36			-4,600	58,982	-3,000	59,03	-3,00	59,120	56,491	2,629	3,00	59,09	-0,950	4,600	59,077						7,94	56,853	-2,224										
200+0.000		-4,707	58,677	0,16			-4,600	58,516	-3,000	58,56	-3,00	58,654	55,824	2,830	3,00	58,56	-3,000	4,600	58,516						11,06	54,212	-4,304										
201+0.000		-4,610	58,065	0,02			-4,600	58,050	-3,000	58,10	-3,00	58,188	55,670	2,518	3,00	58,10	-3,000	4,600	58,050						11,89	53,193	-4,857										
201+13.690	TS	-4,812	57,728	-0,14			-4,600	57,869	-3,000	57,87	0,00	57,869	55,475	2,394	3,00	57,78	-3,000	4,600	57,731						10,53	53,777	-3,954										
202+0.000		-5,706	57,092	-0,70			-4,663	57,787	-3,063	57,77	1,39	57,722	55,428	2,295	3,06	57,63	-3,000	4,663	57,582						9,57	54,312	-3,270										
202+10.000		-5,893	56,907	-0,75			-4,763	57,660	-3,163	57,60	3,59	57,489	55,250	2,240	3,16	57,38	-3,590	4,763	57,318						10,49	53,503	-3,815										
203+0.000		-4,883	57,524	-0,01			-4,863	57,538	-3,263	57,45	5,79	57,256	55,070	2,186	3,26	57,07	-5,790	4,863	56,975						11,06	52,843	-4,132										
203+3.690	EC	-5,059	57,752	0,24			-4,900	57,494	-3,300	57,39	6,60	57,170	55,016	2,154	3,30	56,95	-6,600	4,900	56,847						10,53	53,094	-3,753										
203+10.000		-5,283	57,922	0,57			-4,900	57,347	-3,300	57,24	6,60	57,023	54,927	2,096	3,30	56,81	-6,600	4,900	56,700						10,10	53,233	-3,467										
203+17.292		-5,424	57,962	0,79			-4,900	57,177	-3,300	57,07	6,60	56,853	54,830	2,023	3,30	56,64	-6,600	4,900	56,530						10,26	52,954	-3,576										
204+0.000		-5,451	57,940	0,83			-4,900	57,114	-3,300	57,01	6,60	56,790	54,796	1,995	3,30	56,57	-6,600	4,900	56,467						10,38	52,816	-3,651										
204+10.000		-5,705	58,088	1,21			-4,900	56,881	-3,300	56,78	6,60	56,557	54,653	1,904	3,30	56,34	-6,600	4,900	56,234						8,97	53,523	-2,711										
204+10.895	OE	-5,712	58,078	1,22			-4,900	56,860	-3,300	56,75	6,60	56,536	54,641	1,896	3,30	56,32	-6,600	4,900	56,213						8,88	53,560	-2,653										



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO: 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Escala	Elementos Horizontais		Lado Esquerdo												Eixo												Lado Direito											
			Of Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Rocha			Disp Dren (Pl 05)			Rocha			Of Set (Pl 06)											
			Alast.	Cota	All	Alast.	Cota	Alast.	Alast.	Cota	%	Alast.	Cota	%	Projeto	Terreno	Vermilha	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All						
205+0.000	-5,920	58,212	1,67	-4,809	56,545	-3,209	56,47	4,60	56,324	54,543	1,781	3,21	56,18	-4,600	4,809	56,103															8,24	53,817	-2,286					
205+10.000	-6,039	58,200	2,00	-4,709	56,204	-3,109	56,17	2,40	56,091	54,315	1,776	3,11	56,00	-3,000	4,709	55,950															8,23	53,604	-2,346					
206+0.000	-6,301	58,405	2,54	-4,609	55,867	-3,009	55,86	0,20	55,858	54,121	1,737	3,01	55,77	-3,000	4,609	55,720															7,54	53,766	-1,954					
206+0.895	-6,300	58,387	2,55	-4,600	55,837	-3,000	55,84	0,00	55,837	54,087	1,750	3,00	55,75	-3,000	4,600	55,699															7,22	53,953	-1,746					
207+0.000																															8,24	52,828	52,828					
208+0.000																															7,88	52,603	52,603					
209+0.000																															8,30	51,854	51,854					
210+0.000																															7,76	51,748	51,748					
211+0.000																															7,42	51,537	51,537					
212+0.000																															6,57	51,823	51,823					
213+0.000	-5,510	52,549	-0,61	-4,600	53,156	-3,000	53,17	-0,58	53,182	52,690	0,493	3,00	53,09	-3,000	4,600	53,044															5,32	52,567	-0,477					
213+5.775	-4,806	53,053	-0,14	-4,600	53,191	-3,000	53,19	0,00	53,191	53,062	0,128	3,00	53,10	-3,000	4,600	53,063															4,76	52,946	-0,107					
213+10.000	-4,698	53,326	0,10	-4,632	53,227	-3,032	53,22	0,42	53,207	53,334	-0,127	3,03	53,12	-3,000	4,632	53,068															4,77	53,277	0,209					
214+0.000	-4,780	53,274	-0,05	-4,707	53,322	-3,107	53,30	1,42	53,255	53,994	-0,738	3,11	53,16	-3,000	4,707	53,114															5,34	54,070	0,956					
214+10.000	-4,934	53,318	-0,10	-4,781	53,420	-3,181	53,38	2,42	53,304	53,768	-0,464	3,18	53,21	-3,000	4,782	53,160															5,29	53,928	0,768					
215+0.000	-5,643	52,993	-0,52	-4,856	53,518	-3,256	53,46	3,42	53,352	53,570	-0,218	3,26	53,24	-3,420	4,858	53,186															5,27	53,805	0,619					
215+10.000	-6,396	52,641	-0,98	-4,930	53,619	-3,330	53,55	4,42	53,400	53,134	0,266	3,33	53,25	-4,420	4,933	53,182															5,00	53,284	0,102					
216+0.000	-7,446	52,094	-1,63	-5,006	53,720	-3,406	53,63	5,42	53,449	52,325	1,124	3,41	53,26	-5,420	5,007	53,177															5,16	53,076	-0,101					
216+10.000	-9,057	51,201	-2,65	-5,081	53,852	-3,481	53,75	6,42	53,526	52,108	1,417	3,48	53,30	-6,420	5,083	53,199															5,66	52,813	-0,386					
217+0.000	-11,025	50,128	-3,91	-5,154	54,042	-3,554	53,92	7,42	53,659	51,942	1,717	3,56	53,40	-7,420	5,159	53,276															7,72	51,568	-1,708					
217+5.775	-11,659	49,872	-4,31	-5,200	54,178	-3,600	54,05	8,00	53,762	51,499	2,263	3,60	53,47	-8,000	5,200	53,346															8,17	51,366	-1,980					
217+10.000	-11,304	50,197	-4,07	-5,200	54,266	-3,600	54,14	8,00	53,850	51,609	2,241	3,60	53,56	-8,000	5,200	53,434															8,54	51,210	-2,224					
218+0.000	-9,910	51,373	-3,14	-5,200	54,513	-3,600	54,39	8,00	54,097	52,197	1,900	3,60	53,81	-8,000	5,200	53,681															7,95	51,847	-1,834					
218+10.000	-8,819	52,405	-2,41	-5,200	54,818	-3,600	54,69	8,00	54,402	52,426	1,976	3,60	54,11	-8,000	5,200	53,986															8,09	52,057	-1,929					
219+0.000	-9,048	52,613	-2,57	-5,200	55,179	-3,600	55,05	8,00	54,763	52,888	2,175	3,60	54,48	-8,000	5,200	54,347															8,28	52,297	-2,050					
219+7.861	-8,225	53,486	-2,02	-5,200	55,503	-3,600	55,38	8,00	55,087	52,925	2,162	3,60	54,80	-8,000	5,200	54,671															8,34	52,581	-2,090					
219+10.000	-8,046	53,699	-1,90	-5,200	55,597	-3,600	55,47	8,00	55,181	53,009	2,171	3,60	54,89	-8,000	5,200	54,765															8,37	52,654	-2,111					
220+0.000	-6,781	55,018	-1,05	-5,200	56,072	-3,600	55,94	8,00	55,656	53,376	2,280	3,60	55,37	-8,000	5,200	55,240															8,47	53,058	-2,182					
220+10.000	-5,458	56,454	-0,17	-5,200	56,626	-3,600	56,50	8,00	56,210	54,184	2,026	3,60	55,92	-8,000	5,200	55,794															7,82	54,050	-1,744					

INTERSEÇÃO COM TRECHO 4.2



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito											
		Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)															
		Alast	Cola	Alast.	Cota	Alast	Cota	Alast	Cota	Projeto	Terreno	Alast	Cota	%	Alast	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast	Cola	All	Cola	All										
221+0.000		-6,010	58,496			-5,200	57,280	-3,600	57,15	8,00	56,864	54,247	2,617	3,60	56,58	-8,000	5,200	5,200	56,448						7,45	54,951	-1,497										
221+9.947	CE	-6,567	60,083			-5,200	58,032	-3,600	57,90	8,00	57,616	55,802	1,814	3,60	57,33	-8,000	5,200	5,200	57,200						7,74	55,508	-1,692										
221+10.000		-6,568	60,090			-5,199	58,036	-3,599	57,91	7,99	57,621	55,808	1,812	3,60	57,33	-7,990	5,200	5,200	57,205						7,74	55,509	-1,696										
222+0.000		-6,732	61,251			-5,123	58,836	-3,523	58,72	6,99	58,478	56,776	1,702	3,53	58,23	-6,990	5,126	5,126	58,119						9,43	55,251	-2,868										
222+10.000		-6,770	62,322			-5,048	59,739	-3,448	59,64	5,99	59,436	57,762	1,674	3,45	59,23	-5,990	5,051	5,051	59,133						8,93	56,546	-2,587										
223+0.000		-6,632	63,232			-4,973	60,744	-3,373	60,66	4,99	60,495	58,958	1,538	3,38	60,33	-4,990	4,976	4,976	60,247						9,26	57,392	-2,855										
223+10.000		-6,820	64,681			-4,899	61,801	-3,299	61,74	3,99	61,605	59,958	1,647	3,30	61,47	-3,990	4,899	4,899	61,410						8,43	59,063	-2,357										
224+0.000		-7,063	66,218			-4,824	62,860	-3,224	62,81	2,99	62,715	61,173	1,542	3,23	62,62	-3,000	4,825	4,825	62,571						7,12	61,044	-1,527										
224+10.000		-6,740	66,907			-4,749	63,920	-3,149	63,89	1,99	63,825	62,887	0,938	3,15	63,73	-3,000	4,750	4,750	63,683						6,69	62,392	-1,291										
225+0.000		-6,628	67,913			-4,674	64,982	-3,074	64,97	0,99	64,935	63,766	1,169	3,08	64,84	-3,000	4,675	4,675	64,795						6,04	63,887	-0,908										
225+9.947	ET	-7,011	69,656			-4,600	66,039	-3,000	66,04	0,00	66,039	65,128	0,912	3,00	65,95	-3,000	4,600	4,600	65,901						5,84	65,074	-0,827										
226+0.000		-7,688	71,740			-4,600	67,109	-3,000	67,13	-1,01	67,155	67,385	-0,230	3,00	67,07	-3,000	4,600	4,600	67,017						5,68	66,299	-0,718										
227+0.000		-8,670	75,365			-4,600	69,261	-3,000	69,30	-2,48	69,375	70,145	-0,770	3,00	69,29	-3,000	4,600	4,600	69,237						5,09	69,978	0,741										
228+0.000		-8,547	77,493			-4,600	71,573	-3,000	71,58	-0,48	71,595	72,545	-0,950	3,00	71,51	-3,000	4,600	4,600	71,457						5,17	72,314	0,857										
228+4.797	TS	-8,470	77,932			-4,600	72,127	-3,000	72,13	0,00	72,127	73,057	-0,930	3,00	72,04	-3,000	4,600	4,600	71,989						5,17	72,847	0,858										
228+10.000		-8,395	78,396			-4,617	72,729	-3,017	72,72	0,52	72,705	73,659	-0,954	3,02	72,61	-3,000	4,617	4,617	72,566						5,16	73,382	0,816										
229+0.000		-8,347	79,430			-4,651	73,886	-3,051	73,86	1,52	73,815	74,814	-0,999	3,05	73,72	-3,000	4,651	4,651	73,675						5,31	74,670	0,995										
229+10.000		-8,097	80,163			-4,684	75,043	-3,084	75,00	2,52	74,925	75,819	-0,894	3,08	74,83	-3,000	4,684	4,684	74,784						4,96	75,192	0,408										
229+14.797	EC	-8,034	80,599			-4,700	75,598	-3,100	75,55	3,00	75,457	76,301	-0,844	3,10	75,36	-3,000	4,700	4,700	75,316						4,89	75,597	0,281										
230+0.000		-7,949	81,050			-4,700	76,176	-3,100	76,13	3,00	76,035	76,825	-0,790	3,10	75,94	-3,000	4,700	4,700	75,894						5,06	76,426	0,532										
230+7.468		-7,757	81,590			-4,700	77,005	-3,100	76,96	3,00	76,864	77,378	-0,514	3,10	76,77	-3,000	4,700	4,700	76,723						4,82	76,908	0,185										
230+10.000		-7,687	81,766			-4,700	77,286	-3,100	77,24	3,00	77,145	77,563	-0,418	3,10	77,05	-3,000	4,700	4,700	77,004						4,71	77,023	0,019										
231+0.000		-7,429	82,489			-4,700	78,396	-3,100	78,35	3,00	78,255	78,268	-0,013	3,10	78,16	-3,000	4,700	4,700	78,114						4,87	77,998	-0,116										
231+0.139	CE	-7,427	82,501			-4,700	78,411	-3,100	78,36	3,00	78,270	78,280	-0,010	3,10	78,18	-3,000	4,700	4,700	78,129						4,91	77,987	-0,142										
231+10.000		-7,228	83,300			-4,667	79,459	-3,067	79,43	2,01	79,365	79,127	0,237	3,07	79,27	-3,000	4,667	4,667	79,225						6,56	77,961	-1,264										
232+0.000		-6,918	83,948			-4,634	80,521	-3,034	80,51	1,01	80,475	79,908	0,567	3,03	80,38	-3,000	4,634	4,634	80,335						6,31	79,216	-1,119										
232+10.000		-6,837	84,940			-4,600	81,585	-3,000	81,59	0,01	81,584	80,694	0,890	3,00	81,49	-3,000	4,600	4,600	81,446						6,77	80,001	-1,445										
232+10.139	ET	-6,841	84,961			-4,600	81,600	-3,000	81,60	0,00	81,600	80,708	0,892	3,00	81,51	-3,000	4,600	4,600	81,462						6,78	80,011	-1,451										
233+0.000		-7,099	86,398			-4,600	82,649	-3,000	82,67	-0,99	82,694	81,858	0,836	3,00	82,63	-2,110	4,600	4,600	82,597						5,83	81,776	-0,821										



RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

NOTA DE PAVIMENTO ACABADO

Estaca	Eixo														Lado Direito											
	Lado Esquerdo						Eixo								Lado Direito											
Elementos Horizontais	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)					
	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Projeto	Terreno	%	Alast.	Cola	%	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola	Alast.	Cola
243+10.000	-5,303	84,055	0,64		-4,878	83,417	-3,278	83,38	2,47	83,296	0,057	3,28	83,320	-3,000	4,878	83,150							8,09	81,011	-2,139	
243+19,271	-5,286	83,600	1,03		-4,600	82,571	-3,000	82,57	0,00	82,571	0,089	3,00	82,48	-3,000	4,600	82,433							7,60	80,434	-1,999	
244+0,000	-5,294	83,545	1,04		-4,600	82,505	-3,000	82,51	-0,19	82,514	0,071	3,00	82,42	-3,000	4,600	82,376							7,62	80,365	-2,011	
245+0,000	-5,251	81,788	0,98		-4,600	80,811	-3,000	80,86	-3,00	80,949	0,128	3,00	80,86	-3,000	4,600	80,811							8,46	78,241	-2,570	
245+16,158	-5,173	80,407	0,86		-4,600	79,547	-3,000	79,60	-3,00	79,685	0,511	3,00	79,69	0,000	4,600	79,685							8,73	76,930	-2,755	
246+0,000	-5,229	80,093	0,85		-4,664	79,245	-3,064	79,29	-3,00	79,385	0,604	3,06	79,42	1,000	4,664	79,431							8,89	76,617	-2,814	
246+10,000	-5,360	79,222	0,79		-4,831	78,428	-3,231	78,49	-3,60	78,602	0,611	3,23	78,72	3,600	4,831	78,776							9,92	75,381	-3,395	
247+0,000	-5,558	78,351	0,84		-4,998	77,510	-3,398	77,61	-6,20	77,820	2,420	3,40	78,03	6,200	4,997	78,130							11,95	73,497	-4,633	
247+6,158	-5,740	77,900	0,96		-5,100	76,940	-3,500	77,07	-7,80	77,338	2,702	3,50	77,61	7,800	5,100	77,736							13,91	71,861	-5,875	
247+10,000	-5,737	77,595	0,95		-5,100	76,640	-3,500	76,77	-7,80	77,038	2,569	3,50	77,31	7,800	5,100	77,435							14,61	71,094	-6,341	
248+0,000	-5,803	76,913	1,05		-5,100	75,858	-3,500	75,98	-7,80	76,255	2,580	3,50	76,53	7,800	5,100	76,653							15,85	69,487	-7,166	
248+2,742	-5,746	76,612	0,97		-5,100	75,643	-3,500	75,77	-7,80	76,041	2,627	3,50	76,31	7,800	5,100	76,439							16,42	68,895	-7,544	
248+10,000	-5,657	75,910	0,83		-5,100	75,075	-3,500	75,20	-7,80	75,473	2,755	3,50	75,75	7,800	5,100	75,871							17,74	67,445	-8,426	
248+19,326	-5,424	74,831	0,48		-5,100	74,346	-3,500	74,47	-7,80	74,743	2,926	3,50	75,02	7,800	5,100	75,141							18,68	66,087	-9,054	
249+0,000	-5,386	74,748	0,45		-5,089	74,303	-3,489	74,43	-7,62	74,691	2,939	3,49	74,96	7,620	5,089	75,079							18,72	65,994	-9,085	
249+10,000	-5,090	73,912	0,25		-4,922	73,661	-3,322	73,74	-5,02	73,908	3,018	3,32	74,08	5,020	4,922	74,156							19,16	64,663	-9,493	
250+0,000	-5,039	73,408	0,42		-4,756	72,983	-3,156	73,03	-3,00	73,126	3,071	3,16	73,20	2,420	4,755	73,241							18,94	63,785	-9,456	
250+9,326	-4,600	72,258	0,00		-4,600	72,258	-3,000	72,31	-3,00	72,396	3,236	3,00	72,40	0,000	4,600	72,396							18,10	63,399	-8,997	
251+0,000	-5,124	71,074	-0,35		-4,600	71,423	-3,000	71,47	-3,00	71,561	3,406	3,00	71,48	-2,780	4,600	71,434							17,99	62,507	-8,927	
252+0,000	-4,621	69,844	-0,02		-4,600	69,859	-3,000	69,91	-3,00	69,997	3,263	3,00	69,91	-3,000	4,600	69,859							16,09	62,199	-7,660	
253+0,000	-5,048	68,966	0,67		-4,600	68,294	-3,000	68,34	-3,00	68,432	2,748	3,00	68,34	-3,000	4,600	68,294							12,95	62,727	-5,567	
254+0,000	-5,850	68,605	1,88		-4,600	66,729	-3,000	66,78	-3,00	66,867	-0,093	3,00	66,78	-3,000	4,600	66,729							8,90	63,863	-2,866	
255+0,000	-6,747	68,385	3,22		-4,600	65,165	-3,000	65,21	-3,00	65,303	-1,142	3,00	65,21	-3,000	4,600	65,165							4,76	65,405	0,240	
255+15,844	-7,404	68,132	4,21		-4,600	63,925	-3,000	63,97	-3,00	64,063	2,018	3,00	64,06	0,000	4,600	64,063							5,00	64,656	0,593	
256+0,000	-7,615	68,037	4,44		-4,655	63,599	-3,055	63,65	-3,00	63,738	2,248	3,06	63,76	0,830	4,655	63,777							5,10	64,441	0,664	
256+10,000	-7,769	67,282	4,47		-4,789	62,812	-3,189	62,86	-3,00	62,956	65,765	3,19	63,05	2,850	4,789	63,091							5,15	63,625	0,534	
257+0,000	-8,058	66,640	4,70		-4,922	61,936	-3,322	62,01	-4,83	62,174	64,415	3,32	62,33	4,830	4,922	62,411							5,18	62,791	0,380	
257+5,844	-8,176	66,180	4,76		-5,000	61,416	-3,400	61,51	-6,00	61,716	63,688	-1,972	3,40	61,92	6,000	62,016							5,08	62,135	0,119	
257+10,000	-8,169	65,845	4,75		-5,000	61,091	-3,400	61,19	-6,00	61,391	63,198	-1,807	3,40	61,60	6,000	61,691							5,09	61,631	-0,060	



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECILHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Eixos Horizontais		Lado Esquerdo												Eixo												Lado Direito					
			Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
			Alast.	Cola	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Cola	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cola	All						
257+17,852	-8,211	65,294	4,82																													
258+0,000	-8,207	65,119	4,81																													
258+9,859	-8,143	64,252	4,71																													
258+10,000	-8,139	64,239	4,71																													
259+0,000	-7,881	63,376	4,53																													
259+10,000	-7,881	62,844	4,72																													
259+19,859	-7,941	62,365	5,01																													
260+0,000	-7,945	62,358	5,02																													
261+0,000	-8,338	61,384	5,61																													
262+0,000	-8,908	60,674	6,46																													
263+0,000	-9,057	59,334	6,69																													
263+0,337	-9,035	59,274	6,65																													
263+10,000	-8,996	58,311	6,45																													
264+0,000	-9,162	57,575	6,55																													
264+10,000	-9,171	56,550	6,41																													
264+10,337	-9,172	56,517	6,41																													
265+0,000	-9,052	55,580	6,23																													
265+7,118	-8,205	53,753	4,96																													
265+10,000	-7,868	53,022	4,45																													
266+0,000	-7,145	51,155	3,37																													
266+3,899	-6,756	50,267	2,78																													
266+10,000	-6,038	48,869	1,80																													
267+0,000	-7,117	44,800	-1,59																													
267+13,899	-12,586	40,111	-5,32																													

NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estrada	Elementos Horizontais				Lado Esquerdo										Eixo										Lado Direito									
	Off/Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off/Set (Pl 06)													
	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota				
267+14,297	-13,001	39,808	-5,60		-4,600	45,409	-3,000	45,41	0,00	45,409	40,233	5,175	3,00	45,41	-0,080	4,600	45,405					19,00	35,802	-9,603										
268+0,000	-12,867	39,612	-5,42		-4,733	45,035	-3,133	45,01	1,52	44,963	37,854	7,109	3,13	44,92	-1,260	4,733	44,903					18,07	36,013	-8,890										
268+10,000	-12,544	39,336	-5,05		-4,966	44,388	-3,366	44,32	4,19	44,180	37,534	6,647	3,37	44,04	-4,190	4,966	43,972					16,59	36,222	-7,750										
269+0,000	-12,698	38,755	-5,00		-5,200	43,754	-3,600	43,65	6,85	43,398	37,141	6,257	3,60	43,15	-6,850	5,199	43,042					15,14	36,412	-6,630										
269+4,297	-11,698	39,220	-4,27		-5,300	43,486	-3,700	43,36	8,00	43,062	37,276	5,786	3,70	42,77	-8,000	5,300	42,638					14,71	36,364	-6,274										
269+10,000	-10,273	39,724	-3,32		-5,300	43,040	-3,700	42,91	8,00	42,616	37,266	5,349	3,70	42,32	-8,000	5,300	42,192					14,30	36,191	-6,001										
270+0,000	-8,645	40,027	-2,23		-5,300	42,257	-3,700	42,13	8,00	41,833	36,950	4,884	3,70	41,54	-8,000	5,300	41,409					13,62	35,866	-5,543										
270+0,546	-8,575	40,031	-2,18		-5,300	42,215	-3,700	42,09	8,00	41,791	36,987	4,803	3,70	41,50	-8,000	5,300	41,367					13,58	35,847	-5,520										
270+10,000	-7,795	39,812	-1,66		-5,300	41,475	-3,700	41,35	8,00	41,051	36,757	4,294	3,70	40,76	-8,000	5,300	40,627					12,95	35,525	-5,102										
270+16,795	-7,135	39,733	-1,22		-5,300	40,956	-3,700	40,83	8,00	40,532	36,448	4,084	3,70	40,24	-8,000	5,300	40,108					12,54	35,284	-4,824										
271+0,000	-7,033	39,464	-1,21		-5,225	40,670	-3,625	40,56	7,15	40,296	36,291	4,005	3,63	40,04	-7,150	5,226	39,923					12,36	35,165	-4,758										
271+10,000	-8,376	37,564	-2,26		-4,992	39,820	-3,392	39,75	4,48	39,597	35,941	3,656	3,39	39,45	-4,480	4,992	39,373					11,46	35,065	-4,308										
272+0,000	-7,787	37,020	-2,02		-4,758	39,039	-3,158	39,01	1,81	38,953	35,590	3,363	3,16	38,86	-3,000	4,759	38,810					11,09	34,586	-4,224										
272+6,795	-8,037	36,255	-2,29		-4,600	38,546	-3,000	38,55	0,00	38,546	35,430	3,116	3,00	38,46	-2,950	4,600	38,411					9,58	35,093	-3,318										
273+0,000	-7,881	35,504	-2,19		-4,600	37,692	-3,000	37,74	-3,00	37,830	35,280	2,550	3,00	37,81	-0,840	4,600	37,791					7,38	35,942	-1,849										
273+5,238	-7,979	35,182	-2,25		-4,600	37,434	-3,000	37,48	-3,00	37,572	35,251	2,322	3,00	37,57	0,000	4,600	37,572					5,31	37,098	-0,474										
273+10,000	-8,025	34,966	-2,25		-4,657	37,212	-3,057	37,26	-3,00	37,351	35,260	2,091	3,06	37,38	0,760	4,657	37,387					4,94	37,803	0,416										
274+0,000	-7,716	34,826	-1,96		-4,777	36,785	-3,177	36,83	-3,00	36,928	35,367	1,561	3,18	37,00	2,360	4,777	37,041					6,97	40,326	3,285										
274+10,000	-7,420	34,685	-1,68		-4,897	36,366	-3,297	36,43	-3,96	36,560	35,151	1,409	3,30	36,69	3,960	4,897	36,754					6,65	39,385	2,631										
275+0,000	-6,998	34,648	-1,32		-5,018	35,968	-3,418	36,06	-5,56	36,247	35,079	1,168	3,42	36,44	5,560	5,017	36,526					5,91	37,863	1,337										
275+10,000	-6,731	34,560	-1,06		-5,138	35,622	-3,538	35,74	-7,16	35,990	34,836	1,154	3,54	36,24	7,160	5,136	36,358					5,47	36,862	0,504										
275+15,238	-6,682	34,473	-0,99		-5,200	35,461	-3,600	35,59	-8,00	35,877	34,756	1,121	3,60	36,17	8,000	5,200	36,293					5,25	36,257	-0,036										
276+0,000	-6,698	34,373	-1,00		-5,200	35,372	-3,600	35,50	-8,00	35,788	34,774	1,013	3,60	36,08	8,000	5,200	36,204					5,71	35,864	-0,340										
276+10,000	-6,526	34,341	-0,88		-5,200	35,225	-3,600	35,35	-8,00	35,641	34,635	1,006	3,60	35,93	8,000	5,200	36,057					5,86	35,618	-0,439										
277+0,000	-6,651	34,165	-0,97		-5,200	35,133	-3,600	35,26	-8,00	35,549	34,416	1,133	3,60	35,84	8,000	5,200	35,965					6,12	35,355	-0,610										
277+8,088	-6,707	34,094	-1,01		-5,200	35,099	-3,600	35,23	-8,00	35,515	34,392	1,123	3,60	35,80	8,000	5,200	35,931					6,13	35,309	-0,622										
277+10,000	-6,742	34,069	-1,03		-5,200	35,096	-3,600	35,22	-8,00	35,512	34,382	1,130	3,60	35,80	8,000	5,200	35,928					6,20	35,264	-0,664										
278+0,000	-7,030	33,895	-1,22		-5,200	35,115	-3,600	35,24	-8,00	35,531	34,424	1,107	3,60	35,82	8,000	5,200	35,947					6,69	34,952	-0,995										
278+10,000	-6,957	34,018	-1,17		-5,200	35,189	-3,600	35,32	-8,00	35,605	34,595	1,010	3,60	35,89	8,000	5,200	36,021					6,89	34,892	-1,129										



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito											
	Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Vermoha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Off Set (Pl 06)								
	Afast.	Cota	All	Afast.	Cota	Rocha	Afast.	Cota	%	Projeto	Terreno	Cota	%	Afast.	Cota	%	Afast.	Cota	%	Afast.	Cota	Rocha	Afast.	Cota	Rocha	Afast.	Cota	All								
279+0.000	-7,074	34,069	-1,25	-5,200	35,318		-3,600	35,45	-8,00	35,734	34,782	0,952	3,60	36,02	8,000	5,200	36,150										6,69	35,157	-0,993							
279+0.937	-7,258	33,961	-1,37	-5,200	35,333		-3,600	35,46	-8,00	35,749	34,649	1,100	3,60	36,04	8,000	5,200	36,165										6,62	35,219	-0,946							
279+10.000	-8,035	33,623	-1,96	-5,091	35,585		-3,491	35,69	-6,55	35,919	34,530	1,388	3,49	36,15	6,550	5,091	36,252										5,77	35,798	-0,454							
280+0.000	-8,335	33,642	-2,24	-4,971	35,885		-3,371	35,96	-4,95	36,131	34,288	1,843	3,37	36,30	4,950	4,971	36,377										5,40	36,093	-0,284							
280+10.000	-8,535	33,724	-2,46	-4,851	36,180		-3,251	36,23	-3,35	36,343	34,442	1,900	3,25	36,45	3,350	4,851	36,505										5,85	37,998	1,493							
281+0.000	-8,523	33,885	-2,53	-4,731	36,413		-3,131	36,46	-3,00	36,555	35,350	1,205	3,13	36,61	1,750	4,731	36,638										7,03	40,092	3,454							
281+10.000	-9,362	33,462	-3,17	-4,611	36,629		-3,011	36,68	-3,00	36,767	34,520	2,247	3,01	36,77	0,150	4,611	36,774										6,42	39,483	2,709							
281+10.937	-9,451	33,415	-3,23	-4,600	36,649		-3,000	36,70	-3,00	36,787	34,481	2,306	3,00	36,79	0,000	4,600	36,787										6,34	39,394	2,607							
282+0.000	-10,148	33,142	-3,70	-4,600	36,841		-3,000	36,89	-3,00	36,979	34,146	2,833	3,00	36,94	-1,450	4,600	36,912										5,26	37,905	0,993							
283+0.000	-11,157	32,894	-4,37	-4,600	37,265		-3,000	37,31	-3,00	37,403	33,762	3,641	3,00	37,31	-3,000	4,600	37,265										8,41	34,728	-2,537							
284+0.000	-12,353	32,520	-5,17	-4,600	37,689		-3,000	37,74	-3,00	37,827	33,812	4,016	3,00	37,74	-3,000	4,600	37,689										8,37	35,173	-2,516							
284+18.733	-13,080	32,571	-5,65	-4,600	38,224		-3,000	38,22	0,00	38,224	34,572	3,653	3,00	38,13	-3,000	4,600	38,086										7,08	36,436	-1,650							
285+0.000	-13,154	32,565	-5,70	-4,608	38,262		-3,008	38,26	0,24	38,251	34,602	3,649	3,01	38,16	-3,000	4,608	38,113										6,95	36,552	-1,561							
285+10.000	-11,512	34,004	-4,56	-4,675	38,562		-3,075	38,53	2,10	38,463	35,364	3,099	3,08	38,37	-3,000	4,675	38,323										5,17	37,994	-0,329							
286+0.000	-9,744	35,529	-3,33	-4,742	38,864		-3,142	38,80	3,97	38,676	36,442	2,234	3,14	38,55	-3,970	4,742	38,487										6,78	41,546	3,059							
286+8.733	-8,089	36,937	-2,19	-4,800	39,129		-3,200	39,04	5,60	38,861	38,622	0,239	3,20	38,68	-5,600	4,800	38,592										8,51	44,163	5,571							
286+10.000	-7,788	37,165	-1,99	-4,800	39,156		-3,200	39,07	5,60	38,888	38,843	0,044	3,20	38,71	-5,600	4,800	38,619										8,68	44,445	5,826							
286+18.630	-5,799	38,674	-0,66	-4,800	39,339		-3,200	39,25	5,60	39,071	39,791	-0,720	3,20	38,89	-5,600	4,800	38,802										9,90	46,448	7,646							
287+0.000	-5,559	38,863	-0,51	-4,800	39,368		-3,200	39,28	5,60	39,100	39,885	-0,785	3,20	38,92	-5,600	4,800	38,831										10,10	46,780	7,949							
287+8.527	-4,956	39,784	0,23	-4,800	39,549		-3,200	39,46	5,60	39,280	40,077	-0,796	3,20	39,10	-5,600	4,800	39,012										10,133	47,012								
287+10.000	-5,020	39,911	0,34	-4,790	39,567		-3,190	39,48	5,32	39,312	40,118	-0,806	3,19	39,14	-5,320	4,790	39,057										17,76	52,250	13,238							
																												10,124	47,057							
																												14,124	46,857							
288+0.000	-5,450	40,776	1,09	-4,723	39,687		-3,123	39,63	3,46	39,524	40,836	-1,312	3,12	39,42	-3,460	4,723	39,360										17,88	52,495	13,438							
																												10,057	47,360							
																												14,057	47,160							
																												18,73	54,176	14,816						
288+10.000	-5,861	41,565	1,81	-4,657	39,758		-3,057	39,73	1,59	39,684	41,554	-1,870	3,06	39,59	-3,000	4,657	39,544										9,990	47,544								



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito										
		OfSet (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			OfSet (Pl 06)										
		Afast.	Cola	All	Afast.	Cota	Rocha	Afast.	Cola	Cota	Afast.	Cola	%	Projeto	Terreno	Vermelha	Afast.	Cola	%	Afast.	Cola	%	Afast.	Cola	Cota	Afast.	Cola	All								
288+18,527	ET	-6,221	42,170	2,43				39,738	-3,000	39,74	0,00	39,738	42,174	-2,436	3,00	39,65	-3,000	4,600	39,600										13,990	47,344			19,55	55,690	16,146	
289+0,000		-6,265	42,224	2,50				39,727	-3,000	39,73	-0,28	39,739	42,281	-2,542	3,00	39,65	-3,000	4,600	39,601										13,933	47,401			9,933	47,601		
290+0,000		-6,272	41,909	2,51				39,400	-3,000	39,45	-3,00	39,538	42,803	-3,265	3,00	39,45	-3,000	4,600	39,400										20,42	57,137	17,536			9,933	47,400	
291+0,000		-6,119	41,061	2,28				38,782	-3,000	38,83	-3,00	38,920	47,598	-8,677	3,00	38,83	-3,000	4,600	38,782										28,00	62,102	22,702			9,933	46,782	
292+0,000		-5,244	38,713	0,97				37,747	-3,000	37,80	-3,00	37,885	45,865	-7,980	3,00	37,80	-3,000	4,600	37,747										13,933	46,582			13,933	46,582		
293+0,000		-6,058	35,323	-0,97				36,295	-3,000	36,34	-3,00	36,433	38,859	-2,426	3,00	36,39	-1,370	4,600	36,370										20,52	55,431	17,684			9,933	44,370	
293+5,129	TS	-6,740	34,443	-1,43				35,870	-3,000	35,92	-3,00	36,008	35,585	0,423	3,00	36,01	0,000	4,600	36,008										16,52	48,053	11,683			9,68	45,620	7,612
293+10,000		-13,393	29,686	-5,78				34,561	-3,130	34,51	-3,00	35,603	33,572	2,031	3,13	35,64	1,300	4,730	35,665										8,22	40,901	5,236			8,22	40,901	5,236
294+0,000		-13,673	28,790	-5,79				34,575	-3,397	34,64	-3,97	34,773	31,946	2,827	3,40	34,91	3,970	4,996	34,971										5,22	34,820	-0,151			5,22	34,820	-0,151
294+10,000		-12,368	28,857	-4,74				33,594	-3,664	33,70	-6,63	33,943	30,997	2,945	3,66	34,19	6,630	5,263	34,292										10,09	31,072	-3,220			10,09	31,072	-3,220
294+13,129	EC	-11,521	29,015	-4,08				33,096	-3,800	33,22	-8,00	33,528	30,646	2,882	3,80	33,83	8,000	5,600	33,960										10,95	30,261	-3,699			10,95	30,261	-3,699



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo				Eixo				Lado Direito									
	Of/Se (Pl 01)		Rocha		Bordo (Pl 03)		Cota		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of/Se (Pl 06)	
	Afast.	Cota	Afast.	Cota	Afast.	Cota	Terreno	%	Afast.	Cota	Afast.	Cota	Afast.	Cota	Afast.	Cota	Afast.	Cota
295+0.000	-10,972	29,009	-3,72		-3,800	32,85	30,011	3,145	3,80	33,46	8,000	5,400	33,588			11,16	29,746	-3,842
295+6.541	-10,436	28,898	-3,36		-3,800	32,38	29,909	2,779	3,80	32,99	8,000	5,400	33,119			10,01	30,048	-3,071
295+10.000	-10,272	28,774	-3,25		-3,800	32,15	29,978	2,477	3,80	32,76	8,000	5,400	32,886			9,32	30,271	-2,615
295+17.952	-10,211	28,319	-3,21		-3,800	31,65	29,813	2,145	3,80	32,26	8,000	5,400	32,390			8,45	30,356	-2,034
296+0.000	-10,329	28,119	-3,32		-3,746	31,56	29,784	2,055	3,75	32,12	7,450	5,345	32,237			8,28	30,282	-1,955
296+10.000	-9,356	28,215	-2,85		-3,479	31,14	29,523	1,787	3,48	31,48	4,790	5,079	31,563			6,85	30,373	-1,180
297+0.000	-9,080	27,876	-2,85		-3,212	30,77	30,866	0,813	3,21	30,93	2,120	4,812	30,968			5,19	30,716	-0,252
297+7.952	-8,900	27,601	-2,87		-3,000	30,51	29,998	0,576	3,00	30,58	0,000	4,600	30,575			6,34	33,184	2,009
297+16.847	-8,624	27,631	-2,68		-3,000	30,31	30,089	0,224	3,00	30,24	-2,370	4,600	30,204			7,73	34,905	4,701
298+0.000	-8,544	27,680	-2,60		-3,053	30,26	30,237	0,115	3,05	30,15	-3,000	4,653	30,097			8,28	35,538	5,441
298+10.000	-8,440	27,802	-2,41		-3,219	30,16	30,009	0,042	3,22	29,94	-3,420	4,819	29,886			8,86	35,948	6,062
299+0.000	-7,710	28,392	-1,82		-3,386	30,11	29,908	-0,018	3,39	29,70	-6,020	4,986	29,608			9,82	36,856	7,248
299+6.847	-7,976	28,291	-1,92		-3,500	30,08	29,810	0,109	3,50	29,54	-7,800	5,100	29,413			9,89	36,601	7,188
299+10.000	-7,453	28,595	-1,57		-3,500	30,04	29,765	0,147	3,50	29,49	-7,800	5,100	29,368			9,80	36,414	7,046
299+17.000	-8,206	27,992	-2,07		-3,500	29,94	29,665	0,210	3,50	29,39	-7,800	5,100	29,268			9,67	36,127	6,859
300+0.000	-9,073	27,372	-2,65		-3,500	29,90	29,623	0,228	3,50	29,35	-7,800	5,100	29,225			9,57	35,933	6,708
300+7.152	-9,344	27,089	-2,83		-3,500	29,79	29,521	0,239	3,50	29,25	-7,800	5,100	29,123			9,02	34,995	5,872
300+10.000	-9,234	27,049	-2,79		-3,452	29,72	29,480	0,237	3,45	29,24	-7,060	5,063	29,123			8,66	34,528	5,405
301+0.000	-8,843	26,917	-2,64		-3,286	29,48	29,337	0,221	3,29	29,19	-4,460	4,886	29,119			7,92	33,669	4,550
301+10.000	-8,355	26,858	-2,42		-3,119	29,25	29,194	0,133	3,12	29,10	-3,000	4,719	29,053			7,64	33,438	4,385
301+17.152	-8,050	26,792	-2,30		-3,000	29,09	29,092	0,127	3,00	29,03	-2,030	4,600	28,999			7,50	33,348	4,349
302+0.000	-7,977	26,766	-2,25		-3,000	29,03	29,052	0,159	3,00	29,01	-1,460	4,600	28,984			7,46	33,270	4,286
302+7.319	-6,269	27,713	-1,11		-3,000	28,87	28,947	0,221	3,00	28,95	0,000	4,600	28,947			7,70	33,589	4,642
302+10.000	-5,595	28,130	-0,64		-3,036	28,82	28,909	0,247	3,04	28,93	0,540	4,636	28,934			7,81	33,697	4,763
303+0.000	-6,725	27,319	-1,30		-3,169	28,67	28,766	0,305	3,17	28,85	2,540	4,769	28,887			8,21	34,054	5,167
303+10.000	-7,180	26,882	-1,52		-3,303	28,47	28,623	0,745	3,30	28,77	4,540	4,902	28,846			7,62	32,925	4,079
303+17.319	-7,258	26,713	-1,51		-3,400	28,32	28,519	0,987	3,40	28,72	6,000	5,000	28,819			7,46	32,507	3,688
304+0.000	-7,319	26,634	-1,55		-3,400	28,28	28,480	1,086	3,40	28,68	6,000	5,000	28,780			7,36	32,318	3,538
304+10.000	-7,724	26,222	-1,82		-3,400	28,13	28,338	1,357	3,40	28,54	6,000	5,000	28,638			5,33	29,130	0,492



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)									
		Alast	Cota	Alast.	Cota	Alast	Cota	Alast	Cota	%	Terreno	Projeto	%	Alast	Cota	%	Alast	Cota	Alast.	Cota	Alast.	Cota	Alast	Cota	Alast	Cota	Alast	Cota			
304+13,053		-7,715	26,184	-1,81				-5,000	27,994	-3,400	28,09	-6,00	28,294	26,908	1,386	3,40	28,50	6,000	5,000	28,594					5,73	28,109	-0,485				
305+0,000		-7,573	26,179	-1,72				-5,000	27,895	-3,400	27,99	-6,00	28,195	26,693	1,502	3,40	28,40	6,000	5,000	28,495					7,61	26,758	-1,737				
305+8,787	CE	-7,539	26,077	-1,69				-5,000	27,769	-3,400	27,87	-6,00	28,069	26,565	1,505	3,40	28,27	6,000	5,000	28,369					8,19	26,242	-2,127				
305+10,000		-7,543	26,059	-1,71				-4,984	27,765	-3,384	27,86	-5,76	28,052	26,549	1,503	3,38	28,25	5,760	4,984	28,339					8,14	26,238	-2,101				
306+0,000		-8,080	25,574	-2,15				-4,851	27,727	-3,251	27,79	-3,76	27,909	26,430	1,479	3,25	28,03	3,760	4,850	28,091					7,68	26,205	-1,886				
306+10,000		-8,006	25,433	-2,19				-4,717	27,625	-3,117	27,67	-3,00	27,766	26,329	1,437	3,12	27,82	1,760	4,717	27,849					7,13	26,239	-1,610				
306+18,787	ET	-7,905	25,300	-2,20				-4,600	27,503	-3,000	27,55	-3,00	27,641	26,186	1,455	3,00	27,64	0,000	4,600	27,641					7,05	26,006	-1,635				
307+0,000		-7,907	25,281	-2,21				-4,600	27,486	-3,000	27,53	-3,00	27,624	26,166	1,458	3,00	27,62	-0,240	4,600	27,612					6,95	26,047	-1,565				
308+0,000		-6,353	26,031	-1,17				-4,600	27,200	-3,000	27,25	-3,00	27,338	26,040	1,298	3,00	27,25	-3,000	4,600	27,200					5,62	26,519	-0,681				
309+0,000		-5,969	26,002	-0,91				-4,600	26,915	-3,000	26,96	-3,00	27,053	26,199	0,853	3,00	26,96	-3,000	4,600	26,915					5,18	26,528	-0,387				
310+0,000		-5,423	26,081	-0,55				-4,600	26,629	-3,000	26,68	-3,00	26,767	26,510	0,257	3,00	26,68	-3,000	4,600	26,629					4,93	27,116	0,487				
311+0,000		-4,677	26,529	0,12				-4,600	26,413	-3,000	26,44	-1,68	26,490	26,734	-0,244	3,00	26,40	-3,000	4,600	26,352					5,66	27,939	1,587				
311+12,592	TS	-4,940	26,119	-0,23				-4,600	26,345	-3,000	26,35	0,00	26,345	26,301	0,044	3,00	26,26	-3,000	4,600	26,207					5,37	27,363	1,156				
312+0,000		-5,084	26,071	-0,25				-4,711	26,319	-3,111	26,30	0,99	26,273	26,036	0,236	3,11	26,18	-3,000	4,711	26,131					5,47	27,274	1,143				
312+10,000		-6,735	25,053	-1,25				-4,860	26,303	-3,260	26,27	2,32	26,190	25,581	0,609	3,26	26,09	-3,000	4,862	26,044					5,08	26,373	0,329				
313+0,000		-6,994	24,985	-1,32				-5,011	26,307	-3,411	26,25	3,65	26,124	25,233	0,891	3,41	26,00	-3,650	5,012	25,941					5,39	25,686	-0,255				
313+10,000		-6,667	25,328	-1,01				-5,160	26,333	-3,560	26,25	4,99	26,075	25,181	0,895	3,56	25,90	-4,990	5,162	25,818					5,71	25,450	-0,368				
314+0,000		-7,653	24,816	-1,56				-5,309	26,379	-3,709	26,28	6,32	26,044	24,709	1,335	3,71	25,81	-6,320	5,313	25,708					6,10	25,181	-0,527				
314+10,000		-8,512	24,412	-2,04				-5,460	26,447	-3,860	26,32	7,65	26,029	24,610	1,419	3,86	25,73	-7,650	5,462	25,611					6,55	24,887	-0,724				
314+12,592	EC	-8,732	24,313	-2,16				-5,500	26,468	-3,900	26,34	8,00	26,028	24,612	1,416	3,90	25,72	-8,000	5,500	25,588					6,63	24,837	-0,751				
315+0,000		-8,875	24,222	-2,25				-5,500	26,472	-3,900	26,34	8,00	26,032	24,611	1,420	3,90	25,72	-8,000	5,500	25,592					7,45	24,291	-1,301				
315+10,000		-8,936	24,201	-2,29				-5,500	26,491	-3,900	26,36	8,00	26,051	24,594	1,457	3,90	25,74	-8,000	5,500	25,611					7,47	24,298	-1,313				
316+0,000		-8,149	24,762	-1,77				-5,500	26,528	-3,900	26,40	8,00	26,088	24,043	2,045	3,90	25,78	-8,000	5,500	25,648					7,67	24,201	-1,447				
316+8,595		-8,254	24,757	-1,84				-5,500	26,573	-3,900	26,45	8,00	26,133	24,070	2,064	3,90	25,82	-8,000	5,500	25,693					7,85	24,124	-1,569				
316+10,000		-8,413	24,640	-1,94				-5,500	26,582	-3,900	26,45	8,00	26,142	24,076	2,066	3,90	25,83	-8,000	5,500	25,702					7,90	24,104	-1,598				
317+0,000		-8,568	24,607	-2,05				-5,500	26,653	-3,900	26,53	8,00	26,213	24,005	2,208	3,90	25,90	-8,000	5,500	25,773					8,14	24,010	-1,763				
317+10,000		-7,244	25,578	-1,16				-5,500	26,741	-3,900	26,61	8,00	26,301	24,297	2,004	3,90	25,99	-8,000	5,500	25,861					8,09	24,132	-1,729				
318+0,000		-5,887	26,588	-0,26				-5,500	26,846	-3,900	26,72	8,00	26,406	25,223	1,183	3,90	26,09	-8,000	5,500	25,966					7,99	24,306	-1,660				
318+4,598	CE	-5,624	27,086	0,19				-5,500	26,900	-3,900	26,77	8,00	26,460	25,786	0,674	3,90	26,15	-8,000	5,500	26,020					7,82	24,473	-1,547				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo														Eixo							Lado Direito						
	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)									
	Afast.	Cota	Afast.	Cota	Afast.	Cota	Afast.	Cota	Terreno	%	Afast.	Cota	Afast.	Cota	Afast.	Cota	Afast.	Cota	Afast.	Cota	Ali	Coa	Ali	Coa				
318+10.000	-5,483	27,022	0,10			-5,417	26,922	-3,817	26,81	7,28	26,528	26,402	0,126	3,82	26,25	-7,280	5,421	26,133						7,08	25,029	-1,104		
319+0.000	-5,569	27,432	0,45			-5,268	26,981	-3,668	26,89	5,95	26,667	27,368	-0,701	3,67	26,45	-5,950	5,270	26,354						5,99	26,872	-0,482		
319+10.000	-6,331	28,879	1,82			-5,118	27,060	-3,518	26,99	4,61	26,824	28,087	-1,263	3,52	26,66	-4,610	5,120	26,588						5,25	26,501	-0,087		
320+0.000	-6,571	29,564	2,40			-4,968	27,160	-3,368	27,11	3,28	26,997	27,820	-0,822	3,37	26,89	-3,280	4,970	26,834						5,00	26,882	0,048		
320+10.000	-6,109	29,217	1,94			-4,819	27,282	-3,219	27,25	1,95	27,188	27,639	-0,451	3,22	27,09	-3,000	4,819	27,043						5,21	26,783	-0,260		
321+0.000	-5,577	28,812	1,36			-4,669	27,450	-3,069	27,44	0,61	27,421	27,412	0,009	3,07	27,33	-3,000	4,669	27,281						5,90	26,461	-0,820		
321+4.598	-5,406	28,761	1,21			-4,600	27,552	-3,000	27,55	0,00	27,552	27,381	0,171	3,00	27,46	-3,000	4,600	27,414						5,72	26,666	-0,748		
322+0.000	-5,193	28,889	0,89			-4,600	27,999	-3,000	28,03	-2,05	28,093	27,291	0,802	3,00	28,00	-3,000	4,600	27,955						6,41	26,749	-1,206		
323+0.000	-6,060	27,928	-0,97			-4,600	28,901	-3,000	28,95	-3,00	29,039	27,299	1,739	3,00	28,95	-3,000	4,600	28,901						8,69	26,174	-2,727		
324+0.000	-7,760	28,013	-2,11			-4,600	30,120	-3,000	30,17	-3,00	30,258	27,559	2,699	3,00	30,17	-3,000	4,600	30,120						11,09	25,793	-4,327		
325+0.000	-10,415	27,735	-3,88			-4,600	31,612	-3,000	31,66	-3,00	31,750	28,180	3,570	3,00	31,66	-3,000	4,600	31,612						12,61	26,275	-5,337		
326+0.000	-11,773	28,562	-4,78			-4,600	33,344	-3,000	33,39	-3,00	33,482	28,555	4,927	3,00	33,39	-3,000	4,600	33,344						12,26	28,238	-5,106		
327+0.000	-9,747	31,679	-3,43			-4,600	35,110	-3,000	35,16	-3,00	35,248	29,853	5,396	3,00	35,18	-2,190	4,600	35,148						10,60	31,149	-3,999		
327+10.945	-9,147	33,046	-3,03			-4,600	36,077	-3,000	36,13	-3,00	36,215	31,004	5,211	3,00	36,22	0,000	4,600	36,215						10,41	32,341	-3,874		
328+0.000	-8,750	34,225	-2,65			-4,781	36,871	-3,181	36,92	-3,00	37,015	32,477	4,538	3,18	37,07	1,810	4,781	37,101						10,37	33,374	-3,727		
328+10.000	-8,699	35,229	-2,48			-4,981	37,708	-3,381	37,77	-3,81	37,898	34,410	3,488	3,38	38,03	3,810	4,981	38,087						11,43	33,791	-4,296		
329+0.000	-8,342	36,373	-2,11			-5,182	38,480	-3,582	38,57	-5,81	38,781	35,346	3,435	3,58	38,99	5,810	5,181	39,082						11,54	34,845	-4,237		
329+10.000	-7,499	37,832	-1,41			-5,382	39,243	-3,782	39,37	-7,81	39,664	36,902	2,761	3,78	39,96	7,810	5,381	40,084						12,00	35,674	-4,410		
329+10.945	-7,404	37,979	-1,34			-5,400	39,315	-3,800	39,44	-8,00	39,747	37,052	2,695	3,80	40,05	8,000	5,400	40,179						12,06	36,737	-4,442		
330+0.000	-6,623	39,299	-0,82			-5,400	40,115	-3,800	40,24	-8,00	40,547	38,485	2,062	3,80	40,85	8,000	5,400	40,979						11,95	36,614	-4,366		
330+10.000	-5,684	40,809	-0,19			-5,400	40,998	-3,800	41,13	-8,00	41,430	40,244	1,185	3,80	41,73	8,000	5,400	41,862						11,04	38,103	-3,759		
331+0.000	-5,977	42,746	0,87			-5,400	41,881	-3,800	42,01	-8,00	42,313	42,062	0,251	3,80	42,62	8,000	5,400	42,745						8,01	41,004	-1,741		
331+1.258	-6,027	42,933	0,94			-5,400	41,992	-3,800	42,12	-8,00	42,424	42,258	0,166	3,80	42,73	8,000	5,400	42,856						7,94	41,164	-1,692		
331+10.000	-6,408	44,277	1,51			-5,400	42,764	-3,800	42,89	-8,00	43,196	43,628	-0,432	3,80	43,50	8,000	5,400	43,628						6,44	42,937	-0,691		
332+0.000	-6,844	45,813	2,17			-5,400	43,647	-3,800	43,78	-8,00	44,079	45,326	-1,247	3,80	44,38	8,000	5,400	44,511						5,42	44,542	0,031		
332+10.000	-7,088	47,014	2,53			-5,400	44,483	-3,800	44,61	-8,00	44,915	46,456	-1,541	3,80	45,22	8,000	5,400	45,347						5,71	45,808	0,461		
332+11.572	-7,123	47,190	2,58			-5,400	44,606	-3,800	44,73	-8,00	45,038	46,645	-1,607	3,80	45,34	8,000	5,400	45,470						5,77	46,031	0,561		
333+0.000	-7,096	48,121	2,80			-5,232	45,326	-3,632	45,43	-6,31	45,656	47,707	-2,051	3,63	45,89	6,310	5,231	45,987						6,09	47,269	1,282		
333+10.000	-7,106	49,197	3,11			-5,031	46,086	-3,431	46,16	-4,31	46,303	49,086	-2,783	3,43	46,45	4,310	5,031	46,520						6,55	48,801	2,281		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO: 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo						Lado Direito						
		Off Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermoha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)				
		Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota
334+0.000		-7,235	50,314			-4,832	46,710	-3,232	46,76	-3,00	46,855	-3,645	3,23	46,93	2,310	4,831	46,967							6,47	49,430	2,463
334+10.000		-7,341	51,238			-4,631	47,174	-3,031	47,22	-3,00	47,313	-3,712	3,03	47,32	0,310	4,631	47,327							6,91	50,748	3,421
334+11.572	ET	-7,368	51,390			-4,600	47,238	-3,000	47,29	-3,00	47,376	-3,702	3,00	47,38	0,000	4,600	47,376							7,04	51,038	3,662
335+0.000		-7,717	52,213			-4,600	47,538	-3,000	47,59	-3,00	47,676	-4,032	3,00	47,63	-1,690	4,600	47,598							7,32	51,677	4,079
336+0.000		-8,466	53,779			-4,600	47,980	-3,000	48,03	-3,00	48,118	-4,253	3,00	48,03	-3,000	4,600	47,980							8,92	54,455	6,475
337+0.000		-8,618	54,072			-4,600	48,045	-3,000	48,09	-3,00	48,183	-4,227	3,00	48,09	-3,000	4,600	48,045							6,08	50,264	2,219
338+0.000		-9,382	54,904			-4,600	47,731	-3,000	47,78	-3,00	47,869	-0,642	3,00	47,79	-2,810	4,600	47,740							5,03	48,389	0,649
338+10.790	TS	-9,589	54,888			-4,600	47,404	-3,000	47,45	-3,00	47,542	-0,353	3,00	47,54	0,000	4,600	47,542							4,91	48,004	0,462
339+0.000		-10,277	55,319			-4,754	47,034	-3,154	47,08	-3,00	47,177	-0,596	3,15	47,25	2,390	4,753	47,290							5,02	47,696	0,406
339+10.000		-11,353	56,140			-4,920	46,490	-3,320	46,57	-4,99	46,736	-0,600	3,32	46,90	4,990	4,920	46,982							5,09	47,233	0,251
340+0.000		-10,42	53,91			-5,087	45,909	-3,487	46,03	-7,59	46,295	-0,493	3,49	46,56	7,590	5,087	46,682							5,13	46,150	0,068
		-14,42	53,71																							
		-17,809	58,792																							
340+0.790	EC	-10,43	53,86			-5,100	45,863	-3,500	45,99	-7,80	46,261	-0,542	3,50	46,53	7,800	5,100	46,658							5,14	46,714	0,056
		-14,43	53,66																							
		-17,893	58,853																							
340+10.000		-10,43	53,46			-5,100	45,457	-3,500	45,58	-7,80	45,855	-2,296	3,50	46,13	7,800	5,100	46,253							5,16	46,337	0,084
		-14,43	53,26																							
		-18,340	59,117																							
340+18.786		-10,43	53,07			-5,100	45,070	-3,500	45,20	-7,80	45,468	-4,499	3,50	45,74	7,800	5,100	45,866							5,23	46,061	0,195
		-14,43	52,87																							
		-19,021	59,752																							
341+0.000		-10,43	53,02			-5,100	45,016	-3,500	45,14	-7,80	45,414	-4,867	3,50	45,69	7,800	5,100	45,812							5,24	46,027	0,215
		-14,43	52,82																							
		-19,129	59,860																							
341+10.000		-10,43	52,58			-5,100	44,576	-3,500	44,70	-7,80	44,974	-6,262	3,50	45,25	7,800	5,100	45,371							5,13	45,419	0,048
		-14,43	52,38																							
		-19,869	60,530																							
341+16.782	CE	-10,43	52,28			-5,100	44,277	-3,500	44,40	-7,80	44,675	-7,197	3,50	44,95	7,800	5,100	45,073							6,30	46,875	1,802



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Off Set (P1 01)		Rocha		Disp Dren (P1 02)		Bordo (P1 03)		Cota		Vermilha		Bordo (P1 04)		Disp Dren (P1 05)		Rocha		Rocha		Off Set (P1 06)									
		Alast.	Ali	Afast.	Cota	Afast.	Cota	Afast.	Cota	%	Projeto	Terreno	%	Afast.	Cota	%	Afast.	Cota	Afast.	Cota	Afast.	Cota	Alast.	Cota	Ali						
		-14,43	52,08																												
		-20,344	60,943	16,67																											
342+0,000		-10,38	52,18			-5,047	44,182	-3,447	44,29	-6,96	44,533	52,228	-7,695	3,45	44,77	6,960	5,046	44,884													
		-14,38	51,98																												
		-20,334	60,913	16,73																											
342+10,000		-10,21	51,88			-4,880	43,880	-3,280	43,95	-4,36	44,092	52,210	-8,118	3,28	44,24	4,360	4,880	44,305													
		-14,21	51,68																												
		-19,944	60,275	16,40																											
343+0,000		-10,05	51,51			-4,713	43,510	-3,113	43,56	-3,00	43,652	50,909	-7,257	3,11	43,71	1,760	4,713	43,735													
		-14,05	51,31																												
		-19,368	59,292	15,78																											
343+6,782	ET	-9,93	51,22			-4,600	43,215	-3,000	43,26	-3,00	43,353	49,681	-6,328	3,00	43,35	0,000	4,600	43,353													
		-13,93	51,02																												
		-18,789	58,299	15,08																											
344+0,000		-9,93	50,65			-4,600	42,650	-3,000	42,69	-2,62	42,771	47,261	-4,490	3,00	42,68	-3,000	4,600	42,633													
		-13,93	50,45																												
		-17,344	55,566	12,92																											
345+0,000		-9,371	48,999	7,16		-4,600	41,843	-3,000	41,86	-1,02	41,889	41,261	0,629	3,00	41,80	-3,000	4,600	41,751													
345+12,764	TS	-8,443	47,115	5,76		-4,600	41,351	-3,000	41,35	0,00	41,351	40,105	1,245	3,00	41,26	-3,000	4,600	41,213													
346+0,000		-8,095	46,270	5,18		-4,643	41,093	-3,043	41,08	0,58	41,066	39,506	1,560	3,04	40,98	-3,000	4,644	40,927													
346+10,000		-7,556	45,043	4,28		-4,703	40,763	-3,103	40,74	1,38	40,698	40,049	0,650	3,10	40,61	-3,000	4,704	40,557													
347+0,000		-6,371	42,875	2,41		-4,762	40,463	-3,162	40,43	2,18	40,359	39,715	0,644	3,16	40,26	-3,000	4,764	40,216													
347+10,000		-6,003	41,964	1,77		-4,822	40,193	-3,222	40,15	2,98	40,049	39,256	0,793	3,23	39,95	-3,000	4,825	39,905													
348+0,000		-6,338	42,138	2,19		-4,882	39,953	-3,282	39,89	3,78	39,768	39,328	0,440	3,29	39,64	-3,780	4,885	39,584													
348+10,000		-6,096	41,476	1,73		-4,941	39,743	-3,341	39,67	4,58	39,517	38,928	0,589	3,35	39,36	-4,580	4,946	39,290													
349+0,000		-5,060	39,651	0,09		-5,001	39,563	-3,401	39,48	5,38	39,294	38,316	0,978	3,41	39,11	-5,380	5,006	39,024													
349+10,000		-5,288	39,754	0,34		-5,060	39,412	-3,460	39,31	6,18	39,100	38,205	0,895	3,47	38,89	-6,180	5,066	38,787													
350+0,000		-5,334	39,613	0,32		-5,120	39,292	-3,520	39,18	6,98	38,935	37,611	1,324	3,53	38,69	-6,980	5,127	38,577													
350+10,000		-5,221	39,250	0,06		-5,180	39,188	-3,580	39,06	7,78	38,785	37,240	1,545	3,59	38,51	-7,780	5,187	38,381													



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo				Eixo				Lado Direito											
	Of Set (Pl 01)		Rocha		Rocha		Bordo (Pl 03)		Cota		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Off Set (Pl 06)			
	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Projeto	Terreno	Vermecha	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota
350+12.764	-5,226	39,142	-0,02		-3,600	39,03	8,00	38,743	37,063	1,681	3,60	38,46	-8,000	5,200	38,327		9,23	35,641	-2,686	
	-5,591	38,789	-0,26		-3,600	38,92	8,00	38,634	36,335	2,300	3,60	38,35	-8,000	5,200	38,218		9,22	35,536	-2,682	
	-6,192	38,239	-0,66		-3,600	38,77	8,00	38,484	36,090	2,394	3,60	38,20	-8,000	5,200	38,068		9,30	35,338	-2,730	
	-6,968	37,571	-1,18		-3,600	38,62	8,00	38,334	35,656	2,678	3,60	38,05	-8,000	5,200	37,918		9,59	34,995	-2,923	
	-7,555	37,029	-1,57		-3,600	38,47	8,00	38,183	35,581	2,602	3,60	37,90	-8,000	5,200	37,767		9,77	34,720	-3,047	
	-8,378	36,331	-2,12		-3,600	38,32	8,00	38,033	35,413	2,620	3,60	37,75	-8,000	5,200	37,617		10,14	34,326	-3,291	
	-8,069	36,459	-1,91		-3,600	38,24	8,00	37,956	35,389	2,567	3,60	37,67	-8,000	5,200	37,540		10,07	34,294	-3,246	
	-7,664	36,656	-1,64		-3,600	38,17	8,00	37,883	35,321	2,562	3,60	37,60	-8,000	5,200	37,467		10,04	34,243	-3,224	
	-6,883	37,026	-1,12		-3,600	38,02	8,00	37,732	35,059	2,673	3,60	37,44	-8,000	5,200	37,316		8,43	35,162	-2,154	
	-5,365	38,246	0,25		-3,600	37,87	8,00	37,582	36,684	0,898	3,60	37,29	-8,000	5,200	37,166		7,88	35,380	-1,786	
	-7,415	41,171	3,32		-3,600	37,72	8,00	37,432	38,044	-0,612	3,60	37,14	-8,000	5,200	37,016		5,33	37,209	0,193	
355+10.000	-8,532	42,696	5,00		-3,600	37,57	8,00	37,282	39,809	-2,528	3,60	36,99	-8,000	5,200	36,866		5,56	37,409	0,543	
	-8,229	42,130	4,54		-3,600	37,46	8,00	37,170	39,300	-2,130	3,60	36,88	-8,000	5,200	36,754		5,64	37,413	0,659	
	-7,773	41,422	3,89		-3,581	37,41	7,80	37,131	39,080	-1,949	3,59	36,85	-7,800	5,188	36,727		5,52	37,231	0,504	
	-5,425	37,794	0,45		-3,522	37,23	7,00	36,981	36,317	0,664	3,53	36,73	-7,000	5,127	36,622		8,46	34,404	-2,218	
	-7,430	35,565	-1,58		-3,462	37,05	6,20	36,831	34,276	2,555	3,47	36,62	-6,200	5,067	36,517		9,08	33,841	-2,676	
	-7,882	35,030	-1,92		-3,402	36,86	5,40	36,680	34,020	2,660	3,41	36,50	-5,400	5,007	36,410		10,19	32,955	-3,455	
	-8,352	34,485	-2,27		-3,343	36,68	4,60	36,530	33,840	2,690	3,35	36,38	-4,600	4,946	36,303		10,12	32,854	-3,449	
	-7,706	34,683	-1,88		-3,283	36,50	3,80	36,380	33,688	2,691	3,29	36,26	-3,800	4,886	36,194		10,04	32,760	-3,434	
	-7,061	34,882	-1,49		-3,223	36,33	3,00	36,229	33,540	2,690	3,23	36,13	-3,000	4,826	36,085		9,86	32,729	-3,356	
	-6,007	35,355	-0,83		-3,164	36,15	2,20	36,079	33,492	2,587	3,17	35,98	-3,000	4,766	35,936		9,96	32,473	-3,463	
	360+10.000	-5,335	35,574	-0,42		-3,104	35,97	1,40	35,929	33,563	2,366	3,11	35,84	-3,000	4,705	35,788		10,05	32,225	-3,563
-4,800		35,702	-0,10		-3,044	35,80	0,60	35,778	34,261	1,518	3,05	35,69	-3,000	4,645	35,639		9,14	32,640	-2,999	
-4,802		35,970	0,30		-3,000	35,67	0,00	35,667	34,759	0,907	3,00	35,58	-3,000	4,600	35,529		8,22	33,116	-2,413	
-4,916		36,092	0,47		-3,000	35,62	-0,20	35,628	34,887	0,741	3,00	35,54	-3,000	4,600	35,490		7,93	33,270	-2,220	
-5,829		34,389	-0,82		-3,000	35,25	-2,61	35,327	32,711	2,616	3,00	35,24	-3,000	4,600	35,189		9,71	31,784	-3,405	
-7,011		33,503	-1,61		-3,000	35,11	0,00	35,110	32,102	3,007	3,00	35,02	-3,000	4,600	34,972		9,82	31,492	-3,480	
-7,521		33,163	-1,91		-3,055	35,06	0,99	35,027	31,959	3,068	3,06	34,94	-3,000	4,655	34,887		9,83	31,437	-3,450	
-7,863		32,937	-2,07		-3,155	34,97	2,79	34,877	31,824	3,052	3,16	34,78	-3,000	4,755	34,734		9,70	31,438	-3,296	



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito					
		Of Set (PI 01)		Rocha		Disp Dren (PI 02)		Bordo (PI 03)		Cota		Vermeha		Bordo (PI 04)		Disp Dren (PI 05)		Rocha		Rocha		Off Set (PI 06)									
		Alast.	Cota	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota					
364+0.000		-8,092	32,791	-2,16		-4,855	34,949	-3,255	34,88	4,59	34,726	31,656	3,070	3,26	34,58	-4,590	4,855	34,503						9,44	31,444	-3,059					
364+10.000		-8,399	32,596	-2,30		-4,955	34,893	-3,355	34,79	6,39	34,576	31,515	3,061	3,36	34,36	-6,390	4,956	34,259						9,32	31,347	-2,912					
364+14,474	EC	-8,641	32,441	-2,43		-5,000	34,869	-3,400	34,75	7,20	34,509	31,449	3,060	3,40	34,26	-7,200	5,000	34,149						9,32	31,270	-2,879					
365+0.000		-8,831	32,232	-2,55		-5,000	34,786	-3,400	34,67	7,20	34,426	31,363	3,063	3,40	34,18	-7,200	5,000	34,066						9,36	31,156	-2,910					
365+10.000		-8,903	32,034	-2,60		-5,000	34,635	-3,400	34,52	7,20	34,275	31,247	3,028	3,40	34,03	-7,200	5,000	33,915						9,50	30,915	-3,000					
365+16,988		-8,905	31,927	-2,60		-5,000	34,530	-3,400	34,42	7,20	34,170	31,150	3,020	3,40	33,93	-7,200	5,000	33,810						9,63	30,725	-3,085					
366+0.000		-8,915	31,875	-2,61		-5,000	34,485	-3,400	34,37	7,20	34,125	31,104	3,021	3,40	33,88	-7,200	5,000	33,765						9,69	30,638	-3,127					
366+10.000		-8,902	31,733	-2,60		-5,000	34,335	-3,400	34,22	7,20	33,975	31,016	2,958	3,40	33,73	-7,200	5,000	33,615						9,73	30,460	-3,155					
366+19,502	CE	-8,998	31,526	-2,67		-5,000	34,192	-3,400	34,08	7,20	33,832	30,901	2,931	3,40	33,59	-7,200	5,000	33,472						9,77	30,294	-3,178					
367+0.000		-8,993	31,514	-2,67		-4,995	34,179	-3,395	34,07	7,11	33,824	30,954	2,870	3,40	33,58	-7,110	4,995	33,469						9,76	30,293	-3,176					
367+10.000		-8,395	31,600	-2,33		-4,895	33,934	-3,295	33,85	5,31	33,674	31,013	2,661	3,30	33,50	-5,310	4,895	33,414						9,50	30,347	-3,067					
368+0.000		-7,294	32,026	-1,67		-4,795	33,692	-3,195	33,64	3,51	33,524	31,078	2,446	3,20	33,41	-3,510	4,795	33,355						9,11	30,480	-2,875					
368+10.000		-5,645	32,820	-0,63		-4,695	33,454	-3,095	33,43	1,71	33,373	31,978	1,395	3,10	33,28	-3,000	4,695	33,233						7,73	31,213	-2,020					
368+19,502	ET	-4,933	33,730	0,50		-4,600	33,231	-3,000	33,23	0,00	33,231	32,977	0,254	3,00	33,14	-3,000	4,600	33,093						7,02	31,482	-1,611					
369+0.000		-4,981	33,790	0,57		-4,600	33,219	-3,000	33,22	-0,09	33,223	33,029	0,194	3,00	33,13	-3,000	4,600	33,085						7,01	31,476	-1,609					
370+0.000		-6,382	35,457	2,67		-4,600	32,784	-3,000	32,83	-3,00	32,922	33,585	-0,662	3,00	32,85	-2,340	4,600	32,815						6,41	31,609	-1,206					
370+8,761	TS	-6,131	34,950	2,30		-4,600	32,653	-3,000	32,70	-3,00	32,791	33,176	-0,385	3,00	32,79	0,000	4,600	32,791						6,73	31,371	-1,420					
370+10.000		-6,127	34,886	2,25		-4,625	32,633	-3,025	32,68	-3,00	32,772	33,115	-0,343	3,03	32,78	0,330	4,625	32,787						6,81	31,332	-1,455					
371+0.000		-6,110	34,404	1,93		-4,825	32,477	-3,225	32,53	-3,00	32,622	31,909	0,713	3,23	32,72	3,000	4,825	32,766						7,50	30,980	-1,786					
371+10.000		-6,318	34,126	1,94		-5,025	32,187	-3,425	32,28	-5,66	32,472	31,054	1,418	3,43	32,67	5,660	5,025	32,756						8,49	30,444	-2,312					
371+18,761	EC	-6,493	33,863	1,94		-5,200	31,924	-3,600	32,05	-8,00	32,340	30,833	1,507	3,60	32,63	8,000	5,200	32,756						9,64	29,797	-2,959					
372+0.000		-6,481	33,826	1,92		-5,200	31,905	-3,600	32,03	-8,00	32,321	30,813	1,509	3,60	32,61	8,000	5,200	32,737						9,70	29,737	-3,000					
372+10.000		-6,626	33,894	2,14		-5,200	31,755	-3,600	31,88	-8,00	32,171	30,748	1,423	3,60	32,46	8,000	5,200	32,587						10,02	29,377	-3,210					
372+16,109		-6,895	34,206	2,54		-5,200	31,663	-3,600	31,79	-8,00	32,079	30,721	1,358	3,60	32,37	8,000	5,200	32,495						10,14	29,204	-3,291					
373+0.000		-7,120	34,484	2,88		-5,200	31,605	-3,600	31,73	-8,00	32,021	30,740	1,281	3,60	32,31	8,000	5,200	32,437						10,10	29,173	-3,264					
373+10.000		-7,761	35,295	3,84		-5,200	31,454	-3,600	31,58	-8,00	31,870	32,742	-0,872	3,60	32,16	8,000	5,200	32,286						7,60	30,688	-1,598					
373+13,457	CE	-8,012	35,620	4,22		-5,200	31,402	-3,600	31,53	-8,00	31,818	33,051	-1,233	3,60	32,11	8,000	5,200	32,234						7,38	30,784	-1,450					
374+0.000		-8,142	36,012	4,61		-5,069	31,403	-3,469	31,50	-6,26	31,720	33,696	-1,976	3,47	31,94	6,260	5,069	32,037						6,79	30,892	-1,145					
374+10.000		-7,406	35,200	3,81		-4,869	31,395	-3,269	31,45	-3,59	31,570	33,754	-2,185	3,27	31,69	3,590	4,869	31,744						6,93	30,374	-1,370					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo				Eixo								Lado Direito											
	Of Set (Pl 01)		Rocha		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Off Set (Pl 06)			
	Alast	Cola	Alast.	Cota	Alast.	Cota	Alast	Cota	Alast	Cota	%	Terreno	Projeto	%	Alast	Cota	%	Alast.	Cota	Alast.	Cota	Alast	Cola	All
375+0.000	-6,888	34,678	3,33		-4,669	31,349	-3,069	31,37	-1,50	31,419	33,844	-2,425	3,07	31,45	0,920	31,462	4,669	31,462				5,21	32,274	0,812
375+3,457	-5,967	33,382	2,05		-4,600	31,331	-3,000	31,34	-0,79	31,367	32,982	-1,614	3,00	31,37	0,000	31,367	4,600	31,367				4,98	31,941	0,574
375+7,256	-5,045	31,978	0,67		-4,600	31,310	-3,000	31,31	0,00	31,310	31,949	-0,639	3,00	31,28	-1,010	31,264	4,600	31,264				4,66	31,349	0,085
375+10,000	-4,775	31,197	-0,10		-4,627	31,295	-3,027	31,29	0,57	31,269	31,203	0,066	3,03	31,22	-1,740	31,188	4,627	31,188				7,63	29,185	-2,003
376+0,000	-8,926	28,444	-2,80		-4,727	31,243	-3,127	31,20	2,63	31,119	28,488	2,630	3,13	31,03	-3,000	30,977	4,727	30,977				8,45	28,493	-2,484
376+10,000	-9,528	28,062	-3,13		-4,827	31,195	-3,227	31,12	4,70	30,968	28,158	2,810	3,23	30,82	-4,700	30,741	4,827	30,741				8,62	28,212	-2,529
376+17,256	-9,674	27,980	-3,18		-4,900	31,163	-3,300	31,06	6,20	30,859	27,982	2,877	3,30	30,66	-6,200	30,556	4,900	30,556				8,75	27,987	-2,569
377+0,000	-9,484	28,066	-3,06		-4,900	31,122	-3,300	31,02	6,20	30,818	27,922	2,896	3,30	30,61	-6,200	30,514	4,900	30,514				8,83	27,896	-2,618
377+8,991	-8,840	28,360	-2,63		-4,900	30,987	-3,300	30,89	6,20	30,683	28,159	2,524	3,30	30,48	-6,200	30,379	4,900	30,379				8,46	28,004	-2,375
377+10,000	-8,898	28,306	-2,67		-4,900	30,972	-3,300	30,87	6,20	30,668	28,152	2,516	3,30	30,46	-6,200	30,364	4,900	30,364				8,49	27,972	-2,392
378+0,000	-9,145	27,991	-2,83		-4,900	30,821	-3,300	30,72	6,20	30,517	28,099	2,419	3,30	30,31	-6,200	30,214	4,900	30,214				8,75	27,650	-2,564
378+0,725	-8,948	28,112	-2,70		-4,900	30,810	-3,300	30,71	6,20	30,507	28,056	2,451	3,30	30,30	-6,200	30,203	4,900	30,203				8,62	27,723	-2,480
378+10,000	-4,832	30,556	-0,02		-4,807	30,573	-3,207	30,51	4,28	30,367	29,980	0,387	3,21	30,23	-4,280	30,161	4,807	30,161				7,75	28,203	-1,958
379+0,000	-6,736	33,364	3,04		-4,707	30,321	-3,107	30,29	2,22	30,217	32,168	-1,951	3,11	30,12	-3,000	30,076	4,707	30,076				7,49	28,222	-1,854
379+10,000	-6,558	32,999	2,93		-4,607	30,073	-3,007	30,07	0,15	30,067	31,186	-1,120	3,01	29,98	-3,000	29,928	4,607	29,928				7,76	27,830	-2,098
379+10,725	-6,474	32,867	2,81		-4,600	30,056	-3,000	30,06	0,00	30,056	31,108	-1,053	3,00	29,97	-3,000	29,918	4,600	29,918				7,78	27,801	-2,117
380+0,000	-5,516	31,203	1,38		-4,600	29,828	-3,000	29,86	-1,92	29,916	29,759	0,158	3,00	29,83	-3,000	29,778	4,600	29,778				8,10	27,448	-2,330
381+0,000	-6,845	27,981	-1,50		-4,600	29,478	-3,000	29,53	-3,00	29,616	27,084	2,531	3,00	29,53	-3,000	29,478	4,600	29,478				8,15	27,112	-2,366
382+0,000	-7,835	27,020	-2,16		-4,600	29,177	-3,000	29,23	-3,00	29,315	26,967	2,348	3,00	29,23	-3,000	29,177	4,600	29,177				7,80	27,043	-2,134
383+0,000	-7,355	27,039	-1,84		-4,600	28,876	-3,000	28,92	-3,00	29,014	27,585	1,430	3,00	28,92	-3,000	28,876	4,600	28,876				7,45	26,973	-1,903
384+0,000	-6,898	27,043	-1,53		-4,600	28,576	-3,000	28,62	-3,00	28,714	26,992	1,721	3,00	28,62	-3,000	28,576	4,600	28,576				7,11	26,902	-1,674
385+0,000	-5,252	27,840	-0,43		-4,600	28,275	-3,000	28,32	-3,00	28,413	26,684	1,729	3,00	28,32	-3,000	28,275	4,600	28,275				6,69	26,884	-1,391
386+0,000	-9,110	31,980	4,06		-6,404	27,920	-3,000	28,02	-3,00	28,112	29,332	-1,220	3,00	28,10	-0,470	28,091	4,600	28,091				6,36	26,917	-1,174
386+3,370	-9,697	32,020	4,17		-6,920	27,854	-3,000	27,97	-3,00	28,062	29,422	-1,360	3,00	28,06	0,000	28,062	4,600	28,062				6,38	26,874	-1,188
386+10,000	-9,858	31,829	4,08		-7,137	27,748	-3,033	27,87	-3,00	27,962	29,186	-1,224	3,03	27,99	0,930	28,005	4,633	28,005				6,29	26,903	-1,102
387+0,000	-9,676	31,327	3,73		-7,189	27,596	-3,083	27,72	-3,00	27,812	28,881	-1,070	3,08	27,88	2,330	27,921	4,683	27,921				6,10	26,979	-0,942
387+10,000	-9,956	31,462	4,07		-7,242	27,392	-3,133	27,55	-3,73	27,662	28,958	-1,296	3,13	27,78	3,730	27,838	4,733	27,838				5,83	27,110	-0,728
388+0,000	-10,319	31,656	4,52		-7,306	27,137	-3,183	27,35	-5,13	27,511	28,992	-1,481	3,18	27,67	5,130	27,756	4,783	27,756				5,33	27,393	-0,363
388+3,370	-10,333	31,602	4,55		-7,300	27,052	-3,200	27,28	-5,60	27,461	29,042	-1,581	3,20	27,64	5,600	27,729	4,800	27,729				5,27	27,418	-0,311



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
 TRECHO: 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo													Eixo													Lado Direito										
	Off Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Off Set (Pl 06)												
	Alast.	Cota	All	Alast.	Cota	Rocha	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Cota	Vermecha	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All								
388+0.000	-10,645	31,918	4,97				-7,333	26,950	-3,200	27,18	-5,60	27,361	29,413	-2,052	3,20	27,54	5,600	4,800	27,630											4,95	27,530	-0,100					
388+18,653	-11,038	32,429	5,61				-7,300	26,822	-3,200	27,05	-5,60	27,231	29,972	-2,742	3,20	27,41	5,600	4,800	27,500											4,93	27,692	0,192					
389+0.000	-11,118	32,499	5,70				-7,319	26,801	-3,200	27,03	-5,60	27,211	30,067	-2,856	3,20	27,39	5,600	4,800	27,479											4,96	27,716	0,237					
389+10,000	-11,011	32,139	5,49				-7,350	26,649	-3,200	26,88	-5,60	27,060	29,428	-2,368	3,20	27,24	5,600	4,800	27,329											5,22	27,052	-0,277					
389+13,936	-10,784	31,821	5,23				-7,300	26,595	-3,200	26,82	-5,60	27,003	28,928	-1,925	3,20	27,18	5,600	4,800	27,272											5,71	26,663	-0,609					
390+0.000	-10,536	31,391	4,82				-7,326	26,576	-3,170	26,77	-4,75	26,924	28,093	-1,169	3,17	27,08	4,750	4,769	27,151											6,39	26,068	-1,083					
390+10,000	-10,055	30,802	4,23				-7,236	26,573	-3,120	26,71	-3,35	26,816	25,815	1,000	3,12	26,92	3,350	4,720	26,974											7,28	25,264	-1,710					
391+0.000	-8,789	28,927	2,41				-7,184	26,520	-3,070	26,64	-3,00	26,736	24,367	2,369	3,07	26,80	1,950	4,670	26,827											9,10	23,875	-2,952					
391+10,000	-8,684	28,812	2,34				-7,123	26,470	-3,020	26,59	-3,00	26,684	24,505	2,178	3,02	26,70	0,550	4,620	26,709											9,25	23,623	-3,086					
391+13,936	-8,655	28,788	2,33				-7,102	26,458	-3,000	26,58	-3,00	26,671	24,477	2,194	3,00	26,67	0,000	4,600	26,671											9,11	23,664	-3,007					
392+0.000	-8,814	29,016	2,57				-7,101	26,447	-3,000	26,57	-3,00	26,660	24,195	2,465	3,00	26,58	-2,580	4,600	26,541											9,14	23,515	-3,026					
392+19,369	-10,535	31,606	5,13				-7,118	26,480	-3,000	26,60	-3,00	26,693	25,098	1,595	3,00	26,69	0,000	4,600	26,693											9,25	23,596	-3,097					
393+0.000	-10,581	31,675	5,19				-7,119	26,482	-3,006	26,61	-3,00	26,696	25,091	1,605	3,01	26,70	0,080	4,606	26,700											9,09	23,711	-2,989					
393+10,000	-11,584	33,072	6,53				-7,229	26,539	-3,106	26,66	-3,00	26,756	26,301	0,455	3,11	26,80	1,420	4,706	26,823											5,57	26,249	-0,574					
394+0.000	-12,715	34,655	8,03				-7,361	26,624	-3,207	26,75	-3,00	26,845	27,518	-0,674	3,21	26,93	2,750	4,806	26,977											4,97	27,222	0,245					
394+10,000	-13,578	35,876	9,22				-7,432	26,657	-3,307	26,83	-4,08	26,961	30,198	-3,237	3,31	27,10	4,080	4,906	27,161											5,94	28,717	1,556					
395+0.000	-12,89	34,70					-7,554	26,696	-3,407	26,92	-5,42	27,105	33,544	-6,439	3,41	27,29	5,420	5,006	27,377											6,93	30,261	2,884					
	-16,89	34,50																																			
	-19,443	38,330	11,63																																		
395+10,000	-12,95	34,76					-7,617	26,764	-3,507	27,04	-6,75	27,278	34,640	-7,362	3,51	27,52	6,750	5,106	27,623											7,44	31,125	3,502					
	-16,95	34,56																																			
395+19,369	-19,975	39,100	12,34																																		
	-13,11	34,83					-7,773	26,831	-3,600	27,17	-8,00	27,453	35,876	-8,424	3,60	27,74	8,000	5,200	27,869											8,50	32,813	4,944					
	-17,11	34,63																																			
	-20,414	39,592	12,76																																		
396+0.000	-13,13	34,84					-7,791	26,841	-3,600	27,18	-8,00	27,465	35,966	-8,502	3,60	27,75	8,000	5,200	27,881											8,60	32,981	5,100					
	-17,13	34,64																																			
	-20,439	39,613	12,77																																		
396+10,000	-13,16	35,03					-7,827	27,025	-3,600	27,36	-8,00	27,651	35,971	-8,320	3,60	27,94	8,000	5,200	28,067											9,22	34,094	6,027					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Off Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
		Afast.	Ali	Afast.	Cota	Afast.	Cota	Afast.	Cota	Projeto	Terreno	%	Afast.	Cota	%	Afast.	Cota	Afast.	Cota	Afast.	Cota	Afast.	Cota	Ali							
397+0.000		-17,16	34,83																												
		-20,377	39,651	12,63																											
		-13,04	35,22			-7,702	27,222	-3,600	27,355	-8,00	27,838	36,082	-8,244	3,60	28,13	8,000	5,200	28,254					9,21	34,261	6,007						
		-17,04	35,02																												
		-20,071	39,576	12,35																											
397+10.000		-13,09	35,40			-7,756	27,404	-3,600	27,74	-8,00	28,024	35,124	-7,099	3,60	28,31	8,000	5,200	28,440					8,29	33,080	4,640						
		-17,09	35,20																												
		-19,806	39,280	11,88																											
397+12.790		-13,10	35,46			-7,764	27,455	-3,600	27,79	-8,00	28,076	34,875	-6,798	3,60	28,36	8,000	5,200	28,492					8,08	32,810	4,318						
		-17,10	35,26																												
		-19,715	39,183	11,73																											
398+0.000		-14,435	37,501	9,92		-7,824	27,585	-3,600	27,92	-8,00	28,211	34,293	-6,082	3,60	28,50	8,000	5,200	28,627					7,58	32,191	3,564						
398+10.000		-13,473	36,261	8,49		-7,814	27,772	-3,600	28,11	-8,00	28,398	32,334	-3,936	3,60	28,69	8,000	5,200	28,814					6,49	30,749	1,935						
399+0.000		-12,473	35,126	7,16		-7,701	27,968	-3,600	28,30	-8,00	28,584	30,540	-1,956	3,60	28,87	8,000	5,200	29,000					5,89	30,028	1,028						
399+6.211	CE	-11,869	34,309	6,23		-7,719	28,083	-3,600	28,41	-8,00	28,700	29,773	-1,073	3,60	28,99	8,000	5,200	29,116					5,37	29,375	0,259						
399+10.000		-11,474	33,841	5,65		-7,709	28,193	-3,563	28,50	-7,49	28,771	29,357	-0,586	3,56	29,04	7,490	5,161	29,158					8,27	27,089	-2,069						
400+0.000		-10,529	32,834	4,35		-7,631	28,487	-3,463	28,74	-6,16	28,957	28,408	0,549	3,46	29,17	6,160	5,061	29,269					8,63	26,889	-2,380						
400+10.000		-10,223	32,840	4,06		-7,517	28,781	-3,363	28,98	-4,83	29,144	28,712	0,432	3,36	29,31	4,830	4,962	29,384					10,88	26,435	-3,949						
401+0.000		-10,011	33,021	3,95		-7,379	29,073	-3,262	29,22	-3,49	29,331	29,166	0,164	3,26	29,45	3,490	4,862	29,500					16,10	22,008	-7,492						
401+10.000		-10,877	34,715	5,42		-7,266	29,299	-3,162	29,42	-3,00	29,517	29,765	-0,248	3,16	29,59	2,160	4,762	29,620					6,82	28,248	-1,372						
402+0.000		-11,707	36,294	6,81		-7,171	29,489	-3,062	29,61	-3,00	29,704	30,659	-0,956	3,06	29,73	0,830	4,662	29,742					6,08	28,796	-0,946						
402+6.211	ET	-12,264	37,353	7,75		-7,100	29,607	-3,000	29,73	-3,00	29,820	31,442	-1,622	3,00	29,82	0,000	4,600	29,820					4,80	29,686	-0,134						
403+0.000		-13,484	39,369	9,53		-7,134	29,863	-3,000	29,99	-3,00	30,077	33,700	-3,623	3,00	30,02	-1,890	4,600	29,990					5,89	31,928	1,938						
403+7.071	TS	-12,54	37,99			-7,204	29,993	-3,000	30,12	-3,00	30,209	34,733	-4,524	3,00	30,21	0,000	4,600	30,209					6,41	32,925	2,716						
		-16,54	37,79																												
		-19,054	41,567	11,57																											
403+10.000		-12,57	38,05			-7,233	30,047	-3,059	30,17	-3,00	30,264	34,957	-4,693	3,06	30,29	0,780	4,659	30,300					6,68	33,328	3,028						
		-16,57	37,85																												
		-19,250	41,873	11,83																											



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito						
		OfSet (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			OfSet (Pl 06)						
		Alast.	Cota	All	Alast.	Cota	Alast.	Alast.	Cota	Alast.	Cota	%	Projelo	Terreno	Vermoha	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	All			
404+0.000		-12,79	38,19					-7,457	30,193		-3,259	30,34	-3,45	30,450	35,147	-4,697	3,26	30,56	3,450	4,858	30,618							7,52	34,614	3,996		
		-16,79	37,99																													
		-20,101	42,959	12,77																												
404+10.000		-12,91	38,17					-7,573	30,174		-3,459	30,43	-6,11	30,637	35,992	-5,355	3,46	30,85	6,110	5,058	30,946						7,87	35,157	4,211			
		-16,91	37,97																													
		-20,462	43,306	13,13																												
404+17.071	EC	-13,12	38,15					-7,787	30,146		-3,600	30,48	-8,00	30,769	36,652	-5,883	3,60	31,06	8,000	5,200	31,185						8,14	35,600	4,415			
		-17,12	37,95																													
		-20,953	43,694	13,55																												
405+0.000		-13,12	38,20					-7,783	30,201		-3,600	30,54	-8,00	30,823	36,928	-6,105	3,60	31,11	8,000	5,200	31,239						8,26	35,822	4,583			
		-17,12	38,00																													
		-20,957	43,762	13,56																												
405+9.197		-13,24	38,36					-7,909	30,362		-3,600	30,71	-8,00	30,995	36,371	-5,376	3,60	31,28	8,000	5,200	31,411						7,99	35,594	4,183			
		-17,24	38,16																													
		-21,028	43,840	13,48																												
405+10.000		-13,24	38,38					-7,901	30,378		-3,600	30,72	-8,00	31,010	36,330	-5,320	3,60	31,30	8,000	5,200	31,426						7,97	35,576	4,150			
		-17,24	38,18																													
		-21,016	43,850	13,47																												
406+0.000		-13,21	38,57					-7,877	30,566		-3,600	30,91	-8,00	31,197	35,915	-4,718	3,60	31,49	8,000	5,200	31,613						7,67	35,321	3,708			
		-17,21	38,37																													
		-21,025	44,089	13,52																												
406+1.323	CE	-13,19	38,59					-7,859	30,593		-3,600	30,93	-8,00	31,221	35,691	-4,470	3,60	31,51	8,000	5,200	31,637						7,63	35,277	3,640			
		-17,19	38,39																													
		-20,953	44,033	13,44																												
406+10.000		-12,90	38,95					-7,567	30,953		-3,427	31,19	-5,69	31,383	34,902	-3,519	3,43	31,58	5,690	5,026	31,669						6,89	34,464	2,795			
		-16,90	38,75																													
		-19,865	43,200	12,25																												
407+0.000		-13,480	40,654	9,22				-7,331	31,431		-3,226	31,51	-1,90	31,570	33,977	-2,407	3,23	31,67	3,020	4,826	31,716						6,36	34,011	2,295			
407+10.000		-12,651	39,972	8,24				-7,156	31,730		-3,026	31,75	-0,36	31,756	33,617	-1,861	3,03	31,77	0,350	4,626	31,773						5,42	32,955	1,182			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estrada	Elementos Horizontais	Lado Esquerdo														Eixo								Lado Direito													
		Off Set (Pl 01)				Disp Dren (Pl 02)				Bordo (Pl 03)				Cota				Bordo (Pl 04)				Disp Dren (Pl 05)				Rocha				Rocha				Off Set (Pl 06)			
		Alast.	Cota	All.		Alast.	Cota	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Vermoha	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota		
407+11.323	ET	-12,443	39,748	7,98	-7,125	31,770	-3,000	31,78	-0,16	31,781	33,559	-1,778	3,00	31,78	0,000	31,781	0,000	4,600	31,781	0,000	4,600	31,788												5,35	32,899	1,118	
407+12.359	TS	-12,281	39,572	7,77	-7,100	31,800	-3,000	31,80	0,00	31,800	33,513	-1,713	3,00	31,79	-0,280	31,788		4,600	31,788		4,600	31,788											5,31	32,845	1,057		
408+0.000		-11,440	38,488	6,46	-7,132	32,027	-3,051	31,98	1,17	31,943	33,189	-1,246	3,05	31,87	-2,310	31,835		4,651	31,835		4,651	31,835											5,04	32,412	0,577		
408+10.000		-11,102	38,182	5,86	-7,197	32,324	-3,118	32,21	2,70	32,130	33,249	-1,119	3,12	32,04	-3,000	31,988		4,718	31,988		4,718	31,988											4,79	32,096	0,108		
409+0.000		-11,151	38,431	5,81	-7,281	32,625	-3,184	32,45	4,24	32,316	33,318	-1,002	3,18	32,18	-4,240	32,113		4,784	32,113		4,784	32,113											4,97	32,393	0,280		
409+2.359	EC	-11,266	38,699	6,01	-7,262	32,693	-3,200	32,51	4,60	32,359	33,367	-1,008	3,20	32,21	-4,600	32,138		4,800	32,138		4,800	32,138										5,06	32,533	0,395			
409+10.000		-11,864	39,699	6,89	-7,271	32,809	-3,200	32,62	4,60	32,475	33,527	-1,052	3,20	32,33	-4,600	32,254		4,800	32,254		4,800	32,254											4,94	32,464	0,210		
409+13.772		-12,149	40,156	7,30	-7,282	32,855	-3,200	32,67	4,60	32,520	33,603	-1,084	3,20	32,37	-4,600	32,299		4,800	32,299		4,800	32,299										5,07	32,706	0,407			
410+0.000		-12,552	40,792	7,88	-7,300	32,914	-3,200	32,73	4,60	32,578	33,736	-1,158	3,20	32,43	-4,600	32,357		4,800	32,357		4,800	32,357										5,30	33,108	0,751			
410+5.064	CE	-12,796	41,266	8,32	-7,246	32,943	-3,200	32,76	4,60	32,609	34,135	-1,525	3,20	32,46	-4,600	32,389		4,800	32,389		4,800	32,389										5,71	33,751	1,362			
410+10.000		-13,250	41,897	8,99	-7,255	32,905	-3,167	32,75	3,84	32,626	34,631	-2,005	3,17	32,50	-3,840	32,443		4,767	32,443		4,767	32,443										5,91	34,149	1,706			
411+0.000		-12,48	40,78		-7,150	32,783	-3,100	32,69	2,31	32,618	35,645	-3,027	3,10	32,53	-3,000	32,477		4,700	32,477		4,700	32,477										6,80	35,624	3,147			
		-16,48	40,58																																		
		-19,468	45,060	12,28																																	
411+10.000		-12,47	40,61		-7,136	32,610	-3,034	32,58	0,78	32,555	36,682	-4,127	3,03	32,46	-3,000	32,416		4,634	32,416		4,634	32,416										7,37	36,513	4,097			
		-16,47	40,41																																		
		-20,281	46,128	13,52																																	
411+15.064	ET	-12,45	40,50		-7,114	32,502	-3,000	32,50	0,00	32,502	37,858	-5,356	3,00	32,41	-3,000	32,364		4,600	32,364		4,600	32,364										7,74	37,066	4,702			
		-16,45	40,30																																		
		-20,582	46,503	14,00																																	
412+0.000		-12,43	40,38		-7,100	32,382	-3,000	32,41	-0,76	32,436	38,975	-6,539	3,00	32,35	-3,000	32,298		4,600	32,298		4,600	32,298										8,09	37,530	5,232			
		-16,43	40,18																																		
		-20,813	46,752	14,37																																	
413+0.000		-12,43	39,82		-7,100	31,819	-3,000	31,94	-3,00	32,032	38,836	-6,804	3,00	31,94	-3,000	31,894		4,600	31,894		4,600	31,894										8,57	37,844	5,950			
		-16,43	39,62																																		
		-20,801	46,171	14,35																																	
413+13.557	TS	-12,61	39,41		-7,277	31,413	-3,000	31,54	-3,00	31,631	38,206	-6,575	3,00	31,63	0,000	31,631		4,600	31,631		4,600	31,631										8,46	37,420	5,789			
		-16,61	39,21																																		
		-20,391	44,884	13,47																																	



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito						
		Off Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Off Set (Pl 06)						
		Alast.	Cota	All	Alast.	Cota	Alast.	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	Vermoha	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	All		
414+0.000		-12,69	39,19					-7,360	31,185	-3,193	31,31	-3,00	31,405	37,887	-6,481	3,19	31,46	1,720	4,793	31,488									8,54	37,110	5,622	
		-16,69	38,99																													
		-20,026	43,983	12,80																												
414+10.000		-13,19	38,66					-7,860	30,664	-3,494	30,86	-4,38	31,009	36,993	-5,984	3,49	31,16	4,380	5,093	31,232								8,16	35,831	4,599		
		-17,19	38,46																													
		-20,199	42,973	12,31																												
415+0.000		-13,24	38,00					-7,907	29,999	-3,793	30,29	-7,05	30,557	36,221	-5,664	3,79	30,82	7,050	5,393	30,937								7,95	34,764	3,827		
		-17,24	37,80																													
		-20,082	42,060	12,06																												
415+3.557	EC	-13,51	37,73					-8,172	29,729	-3,900	30,07	-8,00	30,383	35,942	-5,560	3,90	30,70	8,000	5,500	30,823								7,91	34,436	3,613		
		-17,51	37,53																													
		-20,382	41,844	12,12																												
415+10.000		-13,67	37,38					-8,338	29,382	-3,900	29,74	-8,00	30,049	35,200	-5,151	3,90	30,36	8,000	5,500	30,489								7,82	33,968	3,479		
		-17,67	37,18																													
		-20,423	41,310	11,93																												
416+0.000		-13,71	36,82					-8,376	28,816	-3,900	29,17	-8,00	29,486	33,858	-4,372	3,90	29,80	8,000	5,500	29,926								7,99	33,661	3,735		
		-17,71	36,62																													
		-20,185	40,330	11,51																												
416+3.897		-13,70	36,58					-8,362	28,583	-3,900	28,94	-8,00	29,252	33,607	-4,355	3,90	29,56	8,000	5,500	29,692								7,94	33,348	3,656		
		-17,70	36,38																													
		-20,012	39,856	11,27																												
416+10.000		-14,478	37,948	9,72				-7,998	28,228	-3,900	28,56	-8,00	28,867	32,775	-3,907	3,90	29,18	8,000	5,500	29,307								7,82	32,790	3,483		
417+0.000		-14,684	37,086	9,56				-8,312	27,528	-3,900	27,88	-8,00	28,193	31,428	-3,235	3,90	28,51	8,000	5,500	28,633								7,83	32,125	3,492		
417+4.238	CE	-14,178	36,360	9,11				-8,103	27,247	-3,900	27,58	-8,00	27,896	30,994	-3,098	3,90	28,21	8,000	5,500	28,336								7,62	31,513	3,177		
417+10.000		-13,692	35,446	8,48				-8,043	26,971	-3,728	27,25	-6,46	27,491	30,395	-2,904	3,73	27,73	6,460	5,327	27,835								7,32	30,823	2,988		
418+0.000		-12,544	33,761	7,26				-7,701	26,497	-3,427	26,66	-3,80	26,789	29,058	-2,269	3,43	26,92	3,800	5,027	26,980								6,44	29,094	2,114		
418+10.000		-10,585	30,911	4,99				-7,258	25,921	-3,127	26,05	-3,00	26,139	26,325	-0,187	3,13	26,17	1,130	4,727	26,192								5,20	26,903	0,711		
418+14.238	ET	-9,773	29,691	4,01				-7,101	25,684	-3,000	25,81	-2,96	25,894	25,518	0,376	3,00	25,89	0,000	4,600	25,894								4,75	26,123	0,229		
419+0.000		-7,347	27,499	1,99				-6,017	25,505	-3,000	25,55	-1,42	25,591	24,416	1,174	3,00	25,54	-1,540	4,600	25,520								5,88	24,665	-0,855		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - GERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo										Eixo										Lado Direito									
	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)									
	Alast.	Ali	Alast.	Cota	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota							
430+0.000	-9,907	40,263	7,96	37,44	5,10	36,44	-4,600	32,304	-3,000	32,35	-3,00	32,442	34,415	-1,974	3,00	32,43	-0,310	4,600	32,427			5,75	34,149	1,722						
430+1.152	-9,898	40,260	7,95	37,44	5,10	36,44	-4,600	32,313	-3,000	32,36	-3,00	32,451	34,460	-2,009	3,00	32,45	0,000	4,600	32,451			5,77	34,212	1,761						
430+10.000	-10,118	40,348	8,01	38,13	5,35	37,05	-4,777	32,337	-3,177	32,39	-3,00	32,481	34,649	-2,168	3,18	32,56	2,360	4,777	32,593			6,17	34,677	2,084						
431+0.000	-10,575	40,560	8,40	38,39	5,61	37,27	-4,977	32,162	-3,377	32,24	-5,03	32,413	34,880	-2,468	3,38	32,58	5,030	4,977	32,663			6,30	34,645	1,982						
431+10.000	-10,628	40,016	8,18	37,86	5,79	36,78	-5,177	31,839	-3,577	31,96	-7,69	32,238	34,201	-1,963	3,58	32,51	7,690	5,177	32,636			6,13	34,061	1,425						
431+11.152	-10,654	39,976	8,18	37,82	5,81	36,74	-5,200	31,794	-3,600	31,92	-8,00	32,210	34,129	-1,919	3,60	32,50	8,000	5,200	32,626			6,11	33,990	1,364						
432+0.000	-10,653	39,719	8,18	37,56	5,81	36,47	-5,200	31,539	-3,600	31,67	-8,00	31,955	34,171	-2,216	3,60	32,24	8,000	5,200	32,371			5,86	33,354	0,983						
432+7.463	-10,309	38,922	7,66	36,76	5,76	35,77	-5,200	31,259	-3,600	31,39	-8,00	31,675	32,876	-1,201	3,60	31,96	8,000	5,200	32,091			5,55	32,612	0,521						
432+10.000	-10,220	38,681	7,53	36,52	5,75	35,57	-5,200	31,150	-3,600	31,28	-8,00	31,566	32,624	-1,058	3,60	31,85	8,000	5,200	31,982			5,48	32,395	0,413						
433+0.000	-10,048	37,925	7,27	35,82	5,73	34,93	-5,200	30,654	-3,600	30,78	-8,00	31,070	31,876	-0,806	3,60	31,36	8,000	5,200	31,486			5,21	31,501	0,015						
433+3.775	-9,897	37,484	7,05	34,85	5,65	34,08	-5,200	30,439	-3,600	30,57	-8,00	30,855	31,324	-0,469	3,60	31,14	8,000	5,200	31,271			5,23	31,321	0,050						
433+10.000	-9,481	36,753	6,61	34,12	5,37	32,51	-5,076	30,145	-3,476	30,25	-6,34	30,467	30,672	-0,205	3,48	30,69	6,340	5,075	30,789			5,29	30,647	-0,142						
434+0.000	-9,096	35,909	6,33				-4,875	29,577	-3,275	29,64	-3,67	29,757	29,663	0,093	3,28	29,88	3,670	4,875	29,936			5,40	29,588	-0,348						
434+10.000	-8,840	35,099	6,25				-4,676	28,852	-3,076	28,90	-3,00	28,993	28,617	0,376	3,08	29,02	1,010	4,675	29,040			5,37	28,580	-0,460						
434+13.775	-7,929	33,560	4,99				-4,600	28,566	-3,000	28,61	-3,00	28,704	28,188	0,516	3,00	28,70	0,000	4,600	28,704			5,40	28,174	-0,530						
435+0.000	-6,518	30,968	2,88				-4,600	28,091	-3,000	28,14	-3,00	28,229	27,481	0,748	3,00	28,18	-1,660	4,600	28,152			5,51	27,545	-0,607						
436+0.000	-7,103	30,317	3,75				-4,600	26,563	-3,000	26,61	-3,00	26,701	25,199	1,502	3,00	26,61	-3,000	4,600	26,563			10,12	22,885	-3,678						
437+0.000	-7,450	29,345	4,28				-4,600	25,070	-3,000	25,12	-3,00	25,208	22,966	2,242	3,00	25,12	-3,000	4,600	25,070			6,82	23,590	-1,480						
438+0.000	-5,202	24,718	0,90				-4,600	23,815	-3,000	23,86	-3,00	23,953	21,438	2,516	3,00	23,86	-3,000	4,600	23,815			11,40	19,281	-4,534						
438+17.116	-7,303	21,295	-1,80				-4,600	23,097	-3,000	23,10	0,00	23,097	20,833	2,263	3,00	23,01	-3,000	4,600	22,959			9,06	19,987	-2,972						
439+0.000	-7,950	20,797	-2,21				-4,638	23,004	-3,038	22,99	0,69	22,972	20,734	2,238	3,04	22,88	-3,000	4,638	22,833			8,73	20,107	-2,726						
439+10.000	-8,391	20,318	-2,41				-4,772	22,731	-3,172	22,68	3,09	22,584	20,405	2,179	3,17	22,49	-3,090	4,772	22,436			10,39	18,694	-3,742						
440+0.000	-7,773	20,621	-1,91				-4,905	22,534	-3,305	22,45	5,49	22,264	20,278	1,986	3,31	22,08	-5,490	4,905	21,995			8,72	19,455	-2,540						
440+7.116	-7,445	20,808	-1,63				-5,000	22,438	-3,400	22,32	7,20	22,078	20,349	1,729	3,40	21,83	-7,200	5,000	21,718			7,52	20,038	-1,680						
440+10.000	-7,301	20,838	-1,54				-5,000	22,373	-3,400	22,26	7,20	22,013	20,401	1,612	3,40	21,77	-7,200	5,000	21,653			7,21	20,178	-1,475						
441+0.000	-6,447	21,225	-0,97				-5,000	22,190	-3,400	22,07	7,20	21,830	20,671	1,159	3,40	21,59	-7,200	5,000	21,470			6,22	20,657	-0,813						
441+3.719	-6,400	21,206	-0,93				-5,000	22,139	-3,400	22,02	7,20	21,779	20,703	1,076	3,40	21,53	-7,200	5,000	21,419			6,02	20,738	-0,681						
441+10.000	-6,197	21,277	-0,80				-5,000	22,075	-3,400	21,96	7,20	21,715	20,483	1,032	3,40	21,47	-7,200	5,000	21,355			5,77	20,844	-0,511						
442+0.000	-5,586	21,603	-0,39				-5,000	21,994	-3,400	21,88	7,20	21,634	20,720	0,914	3,40	21,39	-7,200	5,000	21,274			5,33	21,053	-0,221						



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo												Eixo												Lado Direito											
	Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Off Set (Pl 06)											
	Afast.	Cota	All	Afast.	Cota	Rocha	Afast.	Cota	%	Projeto	Terreno	Vermeha	Afast.	Cota	%	Afast.	Cota	%	Afast.	Cota	Rocha	Afast.	Cota	Rocha	Afast.	Cota	All									
442+0.322	-5,564	21,616	-0,38	-5,000	21,991		-3,400	21,88	7,20	21,631	20,720	0,912	3,40	21,39	-7,200	5,000	21,271									5,32	21,059	-0,212								
442+10.000	-5,215	21,561	-0,23	-4,871	21,791		-3,271	21,71	4,88	21,553	20,552	1,001	3,27	21,39	-4,880	4,871	21,316									5,40	20,962	-0,354								
443+0.000	-5,226	21,264	-0,33	-4,738	21,590		-3,138	21,55	2,48	21,473	20,379	1,094	3,14	21,38	-3,000	4,738	21,331									5,45	20,853	-0,478								
443+10.000	-4,977	21,147	-0,25	-4,604	21,396		-3,004	21,39	0,08	21,392	20,079	1,313	3,00	21,30	-3,000	4,604	21,254									5,60	20,591	-0,663								
443+10.322	-4,972	21,141	-0,25	-4,600	21,389		-3,000	21,39	0,00	21,389	20,069	1,320	3,00	21,30	-3,000	4,600	21,251									5,61	20,582	-0,669								
444+0.000	-4,937	20,980	-0,22	-4,600	21,205		-3,000	21,24	-2,32	21,311	19,774	1,537	3,00	21,22	-3,000	4,600	21,173									6,09	20,181	-0,992								
445+0.000	-5,053	20,710	-0,30	-4,600	21,012		-3,000	21,06	-3,00	21,150	19,466	1,684	3,00	21,06	-3,000	4,600	21,012									6,85	19,510	-1,502								
446+0.000	-5,441	20,349	-0,56	-4,600	20,909		-3,000	20,94	-1,73	20,989	19,240	1,749	3,00	20,90	-3,000	4,600	20,851									7,02	19,239	-1,612								
446+10.354	-5,645	20,208	-0,70	-4,600	20,905		-3,000	20,91	0,00	20,905	19,114	1,791	3,00	20,82	-3,000	4,600	20,767									7,03	19,145	-1,622								
447+0.000	-5,999	20,035	-0,87	-4,696	20,903		-3,096	20,88	1,61	20,827	19,003	1,824	3,10	20,73	-3,000	4,696	20,686									7,12	19,071	-1,615								
447+10.000	-6,029	20,082	-0,82	-4,796	20,904		-3,196	20,85	3,27	20,747	18,884	1,862	3,20	20,64	-3,270	4,797	20,590									7,04	19,097	-1,493								
448+0.000	-6,281	19,985	-0,92	-4,896	20,908		-3,296	20,83	4,94	20,666	18,782	1,884	3,30	20,50	-4,940	4,897	20,424									6,86	19,115	-1,309								
448+0.354	-6,292	19,980	-0,93	-4,900	20,908		-3,300	20,83	5,00	20,663	18,778	1,885	3,30	20,50	-5,000	4,900	20,418									6,86	19,115	-1,303								
448+10.000	-6,417	19,819	-1,01	-4,900	20,830		-3,300	20,75	5,00	20,585	18,660	1,925	3,30	20,42	-5,000	4,900	20,340									7,18	18,819	-1,521								
448+14.892	-6,499	19,725	-1,07	-4,900	20,791		-3,300	20,71	5,00	20,546	18,601	1,945	3,30	20,38	-5,000	4,900	20,301									7,37	18,653	-1,648								
449+0.000	-6,646	19,586	-1,16	-4,900	20,750		-3,300	20,67	5,00	20,505	18,540	1,965	3,30	20,34	-5,000	4,900	20,260									7,86	18,283	-1,977								
449+9.430	-6,901	19,339	-1,34	-4,900	20,674		-3,300	20,59	5,00	20,429	18,481	1,947	3,30	20,26	-5,000	4,900	20,184									8,46	17,811	-2,373								
449+10.000	-6,907	19,323	-1,34	-4,894	20,664		-3,294	20,59	4,91	20,424	18,470	1,954	3,29	20,26	-4,910	4,894	20,184									8,49	17,784	-2,400								
450+0.000	-7,122	18,947	-1,55	-4,794	20,499		-3,194	20,45	3,24	20,343	18,267	2,077	3,19	20,24	-3,240	4,794	20,188									9,20	17,253	-2,935								
450+10.000	-7,323	18,584	-1,75	-4,694	20,336		-3,094	20,31	1,57	20,263	17,620	2,643	3,09	20,17	-3,000	4,694	20,122									9,81	16,714	-3,408								
450+19.430	-7,056	18,549	-1,64	-4,600	20,187		-3,000	20,19	0,00	20,187	16,971	3,216	3,00	20,10	-3,000	4,892	20,040									9,84	16,745	-3,295								
451+0.000	-7,033	18,555	-1,62	-4,600	20,178		-3,000	20,18	-0,09	20,182	16,932	3,250	3,00	20,09	-3,000	4,916	20,034									9,85	16,747	-3,287								
452+0.000	-5,710	19,331	-0,54	-4,895	19,874		-3,000	19,93	-3,00	20,021	18,261	1,759	3,00	19,93	-3,000	5,770	19,848									10,30	16,831	-3,017								
453+0.000	-6,932	18,898	-0,79	-5,749	19,687		-3,000	19,77	-3,00	19,859	17,642	2,217	3,00	19,77	-3,000	6,628	19,660									11,35	16,515	-3,145								
454+0.000	-8,794	18,039	-1,46	-6,602	19,500		-3,000	19,61	-3,00	19,698	16,995	2,702	3,50	19,59	-3,000																					
455+0.000	-9,052	17,831	-1,50	-6,800	19,333		-3,000	19,45	-3,00	19,537	17,571	1,945	3,50	19,43	-3,000																					
456+0.000	-8,464	17,832	-1,35	-6,440	19,182		-3,000	19,29	-3,00	19,375	17,276	2,099	3,00	19,29	-3,000																					
457+0.000	-9,662	16,327	-2,72	-5,582	19,046		-3,000	19,12	-3,00	19,214	16,962	2,252	3,00	19,12	-3,000	6,399	19,022									9,86	16,716	-2,306								
458+0.000	-8,828	16,175	-2,74	-4,725	18,911		-3,000	18,96	-3,00	19,053	16,677	2,376	3,00	18,96	-3,000	5,542	18,886									9,10	16,516	-2,370								

NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL

TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito												
		Of Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Vermoha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Of Set (Pl 06)									
		Afast.	Cota	All	Afast.	Cota	Rocha	Afast.	Cota	Rocha	Afast.	Cota	%	Projeto	Terreno	Cota	%	Cota	Afast.	Cota	%	Afast.	Cota	%	Afast.	Cota	Rocha	Afast.	Cota	Rocha	Afast.	Cota	All					
459+0.000		-7,388	16,894	-1,86			-4,600	18,753	-3,000	18,80	-3,00	-3,00	18,891	16,762	2,129	3,00	18,80	3,00	-3,000	18,80	-3,000	-3,000	-3,000	18,891	16,762	2,129	3,00	18,80	3,00	-3,000	18,80	3,00	18,751	4,684	18,751	8,29	16,349	-2,402
460+0.000		-7,414	16,716	-1,88			-4,600	18,592	-3,000	18,64	-3,00	-3,00	18,730	16,261	2,469	3,00	18,64	3,00	-3,000	18,64	-3,000	-3,000	-3,000	18,730	16,261	2,469	3,00	18,64	3,00	-3,000	18,64	3,00	18,592	4,600	18,592	8,44	16,031	-2,561
461+0.000		-6,865	16,931	-1,51			-4,600	18,441	-3,000	18,49	-3,00	-3,00	18,579	16,134	2,445	3,00	18,53	3,00	-1,670	18,53	-1,670	-3,000	-3,000	18,579	16,134	2,445	3,00	18,53	3,00	-1,670	18,53	3,00	18,502	4,600	18,502	8,36	16,996	-2,507
461+17,079	TS	-6,117	17,357	-1,01			-4,600	18,368	-3,000	18,42	-3,00	-3,00	18,506	16,798	1,708	3,00	18,51	3,00	0,000	18,51	0,000	-3,000	-3,000	18,506	16,798	1,708	3,00	18,51	3,00	0,000	18,51	3,00	18,506	4,600	18,506	8,00	16,237	-2,269
462+0.000		-6,008	17,434	-0,93			-4,618	18,361	-3,018	18,41	-3,00	-3,00	18,499	16,912	1,587	3,02	18,51	3,02	0,280	18,51	0,280	-3,018	-3,018	18,499	16,912	1,587	3,02	18,51	3,02	0,280	18,51	3,02	18,513	4,618	18,513	8,15	16,158	-2,355
462+10.000		-5,705	17,667	-0,68			-4,681	18,350	-3,081	18,40	-3,00	-3,00	18,490	17,034	1,456	3,08	18,53	3,08	1,260	18,53	1,260	-3,081	-3,081	18,490	17,034	1,456	3,08	18,53	3,08	1,260	18,53	3,08	18,549	4,681	18,549	8,62	15,922	-2,627
463+0.000		-5,531	17,835	-0,52			-4,744	18,360	-3,144	18,41	-3,00	-3,00	18,502	17,192	1,310	3,14	18,57	3,14	2,230	18,57	2,230	-3,144	-3,144	18,502	17,192	1,310	3,14	18,57	3,14	2,230	18,57	3,14	18,608	4,743	18,608	8,88	15,853	-2,755
463+10.000		-5,219	18,105	-0,27			-4,807	18,380	-3,207	18,43	-3,21	-3,21	18,534	17,458	1,076	3,21	18,64	3,21	3,210	18,64	3,210	-3,207	-3,207	18,534	17,458	1,076	3,21	18,64	3,21	3,210	18,64	3,21	18,688	4,805	18,688	8,37	16,315	-2,373
464+0.000		-4,869	18,383	0,00			-4,869	18,383	-3,269	18,45	-4,18	-4,18	18,586	17,781	0,806	3,27	18,72	4,180	4,868	18,72	4,180	-3,269	-3,269	18,586	17,781	0,806	3,27	18,72	4,180	4,868	18,790	4,868	18,790	7,76	16,860	-1,930		
464+10.000		-5,227	18,848	0,44			-4,931	18,405	-3,331	18,49	-5,16	-5,16	18,659	18,243	0,416	3,33	18,83	5,160	4,930	18,914	5,160	-3,331	-3,331	18,659	18,243	0,416	3,33	18,83	5,160	4,930	18,914	4,930	18,914	10,03	15,514	-3,400		
465+0.000		-5,710	19,519	1,07			-4,995	18,446	-3,395	18,55	-6,13	-6,13	18,753	18,960	-0,207	3,39	18,96	6,130	4,992	19,059	6,130	-3,395	-3,395	18,753	18,960	-0,207	3,39	18,96	6,130	4,992	19,059	4,992	19,059	10,54	15,363	-3,696		
465+10.000		-8,973	24,381	5,87			-5,058	18,507	-3,458	18,62	-7,11	-7,11	18,867	19,871	-1,004	3,45	19,11	7,110	5,064	19,226	7,110	-3,458	-3,458	18,867	19,871	-1,004	3,45	19,11	7,110	5,064	19,226	5,064	19,226	8,08	17,209	-2,017		
465+17,079	EC	-9,063	24,507	5,95			-5,100	18,562	-3,500	18,69	-7,80	-7,80	18,960	20,382	-1,422	3,50	19,23	7,800	5,100	19,358	7,800	-3,500	-3,500	18,960	20,382	-1,422	3,50	19,23	7,800	5,100	19,358	5,100	19,358	5,39	19,788	0,430		
466+0.000		-9,044	24,519	5,92			-5,100	18,603	-3,500	18,73	-7,80	-7,80	19,001	20,592	-1,591	3,50	19,27	7,800	5,100	19,399	7,800	-3,500	-3,500	19,001	20,592	-1,591	3,50	19,27	7,800	5,100	19,399	5,100	19,399	5,79	20,427	1,028		
466+10.000		-8,610	24,023	5,27			-5,100	18,758	-3,500	18,88	-7,80	-7,80	19,156	20,519	-1,362	3,50	19,43	7,800	5,100	19,554	7,800	-3,500	-3,500	19,156	20,519	-1,362	3,50	19,43	7,800	5,100	19,554	5,100	19,554	5,22	19,735	0,181		
467+0.000		-8,243	23,639	4,72			-5,100	18,924	-3,500	19,05	-7,80	-7,80	19,321	20,379	-1,058	3,50	19,59	7,800	5,100	19,719	7,800	-3,500	-3,500	19,321	20,379	-1,058	3,50	19,59	7,800	5,100	19,719	5,100	19,719	5,40	19,519	-0,200		
467+10.000		-7,425	22,576	3,49			-5,100	19,089	-3,500	19,21	-7,80	-7,80	19,486	19,845	-0,359	3,50	19,76	7,800	5,100	19,884	7,800	-3,500	-3,500	19,486	19,845	-0,359	3,50	19,76	7,800	5,100	19,884	5,100	19,884	7,98	17,962	-1,922		
467+12,612		-7,236	22,336	3,20			-5,100	19,132	-3,500	19,26	-7,80	-7,80	19,530	19,757	-0,227	3,50	19,80	7,800	5,100	19,927	7,800	-3,500	-3,500	19,530	19,757	-0,227	3,50	19,80	7,800	5,100	19,927	5,100	19,927	8,08	17,941	-1,986		
468+0.000		-6,737	21,709	2,46			-5,100	19,254	-3,500	19,38	-7,80	-7,80	19,652	19,517	0,135	3,50	19,93	7,800	5,100	20,049	7,800	-3,500	-3,500	19,652	19,517	0,135	3,50	19,93	7,800	5,100	20,049	5,100	20,049	8,26	17,943	-2,106		
468+10.000		-6,599	21,667	2,25			-5,100	19,419	-3,500	19,54	-7,80	-7,80	19,817	19,500	0,317	3,50	20,09	7,800	5,100	20,215	7,800	-3,500	-3,500	19,817	19,500	0,317	3,50	20,09	7,800	5,100	20,215	5,100	20,215	10,23	16,795	-3,420		
469+0.000		-6,683	21,959	2,38			-5,100	19,584	-3,500	19,71	-7,80	-7,80	19,982	19,539	0,443	3,50	20,26	7,800	5,100	20,380	7,800	-3,500	-3,500	19,982	19,539	0,443	3,50	20,26	7,800	5,100	20,380	5,100	20,380	8,74	17,950	-2,430		
469+8,144	CE	-6,893	22,409	2,69			-5,100	19,719	-3,500	19,84	-7,80	-7,80	20,116	20,469	-0,353	3,50	20,39	7,800	5,100	20,514	7,800	-3,500	-3,500	20,116	20,469	-0,353	3,50	20,39	7,800	5,100	20,514	5,100	20,514	6,56	19,542	-0,972		
469+10.000		-6,938	22,532	2,71			-5,089	19,759	-3,489	19,88	-7,62	-7,62	20,147	20,855	-0,708	3,49	20,41	7,620	5,087	20,535	7,620	-3,489	-3,489	20,147	20,855	-0,708	3,49	20,41	7,620	5,087	20,535	5,087	20,535	6,74	19,434	-1,101		
470+0.000		-7,117	23,113	3,14			-5,028	19,978	-3,428	20,09	-6,64	-6,64	20,312	21,388	-1,076	3,42	20,54	6,640	5,024	20,646	6,640	-3,428	-3,428	20,312	21,388	-1,076	3,42	20,54	6,640	5,024	20,646	5,024	20,646	6,69	19,537	-1,109		
470+10.000		-7,397	23,844	3,65			-4,965	20,196	-3,365	20,29	-5,67	-5,67	20,477	22,247	-1,770	3,36	20,67	5,670	4,962	20,759	5,670	-3,365	-3,365	20,477	22,247	-1,770	3,36	20,67	5,670	4,962	20,759	4,962	20,759	5,49	21,552	0,793		
471+0.000		-7,188	23,842	3,43			-4,901	20,413	-3,301	20,49	-4,69	-4,69	20,643	23,766	-2,524	3,30	20,80	4,690	4,900	20,873	4,690	-3,301	-3,301	20,643	23,766	-2,524	3,30	20,80	4,690	4,900	20,873	4,900	20,873	6,00	22,528	1,655		
471+10.000		-6,502	23,092	2,49			-4,839	20,598	-3,239	20,66	-3,72	-3,72	20,777	22,333	-1,556	3,24	20,90	3,720	4,838	20,957	3,720	-3,239	-3,239	20,777	22,333	-1,556	3,24	20,90	3,720	4,838	20,957	4,838	20,957	5,61	22,119	1,162		
472+0.000		-5,515	21,816	1,11			-4,777	20,708	-3,177	20,76	-3,00	-3,00	20,852	21,450	-0,599	3,18	20,94	2,740	4,775	20,983	2,740	-3,177	-3,177	20,852	21,450	-0,599	3,18	20,94	2,740	4,775	20,983	4,775	20,983	4,90	21,174	0,191		
472+10.000		-4,743	20,768	0,04			-4,714	20,724	-3,114	20,77	-2,99	-2,99	20,865	20,534	0,331	3,11	20,92	1,770	4,713	20,949	1,770	-3,114	-3,114	20,865	20,534	0,331	3,11	20,92	1,770	4,713	20,949	4,713	20,949	5,88	20,171	-0,778		



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito						
		Of Set (Pl 01)			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Vermeha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Of Set (Pl 06)			
		Alast.	Cota	All	Alast.	Cota	Rocha	Alast.	Cota	Rocha	Alast.	Cota	Rocha	Projeto	Terreno	Cota	%	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Rocha	Alast.	Cota	Rocha	Alast.	Cota	All
473+0.000		-5,731	20,021	-0,72	-4,651	20,741	-3,051	20,77	-1,66	20,818	19,625	1,194	3,05	20,84	0,790	4,651	20,855													7,14	19,198	-1,657
473+8.144	ET	-4,777	20,974	0,27	-4,600	20,709	-3,000	20,72	-0,57	20,735	20,621	0,114	3,00	20,74	0,000	4,600	20,735												5,36	20,230	-0,505	
473+12.430	TS	5,194	21,566	0,89	-4,600	20,675	-3,000	20,68	0,00	20,675	21,182	-0,507	3,00	20,66	-0,420	4,600	20,656											4,67	20,759	0,103		
474+0.000		-6,030	22,621	2,03	-4,676	20,589	-3,076	20,57	1,01	20,542	22,173	-1,631	3,08	20,51	-1,160	4,676	20,488											5,32	21,461	0,973		
474+10.000		-6,730	23,357	2,93	-4,775	20,425	-3,175	20,39	2,34	20,313	21,827	-1,514	3,18	20,25	-2,130	4,776	20,211										5,01	20,563	0,352			
475+0.000		-6,389	22,472	2,27	-4,876	20,203	-3,276	20,14	3,68	20,024	20,619	-0,595	3,28	19,90	-3,680	4,876	19,844										5,92	19,149	-0,695			
475+10.000		-5,071	19,889	-0,06	-4,975	19,953	-3,375	19,87	5,01	19,704	18,683	1,021	3,38	19,54	-5,010	4,976	19,454										9,95	16,139	-3,315			
476+0.000		-7,196	18,314	-1,41	-5,075	19,728	-3,475	19,63	6,34	19,406	16,284	3,122	3,48	19,19	-6,340	5,077	19,084										10,55	15,636	-3,648			
476+10.000		-8,774	17,152	-2,40	-5,176	19,551	-3,576	19,43	7,68	19,154	16,037	3,117	3,58	18,88	-7,680	5,176	18,756										10,33	15,322	-3,434			
476+12.430	EC	-9,239	16,822	-2,69	-5,200	19,515	-3,600	19,39	8,00	19,099	16,045	3,054	3,60	18,81	-8,000	5,200	18,683										9,95	15,519	-3,164			
477+0.000		-9,767	16,317	-3,05	-5,200	19,362	-3,600	19,23	8,00	18,946	16,178	2,767	3,60	18,66	-8,000	5,200	18,530										8,78	16,141	-2,389			
477+10.000		-9,599	16,267	-2,93	-5,200	19,199	-3,600	19,07	8,00	18,783	16,153	2,630	3,60	18,50	-8,000	5,200	18,367										8,81	15,964	-2,403			
478+0.000		-9,623	16,132	-2,95	-5,200	19,081	-3,600	18,95	8,00	18,665	16,056	2,609	3,60	18,38	-8,000	5,200	18,249										9,25	15,551	-2,698			
478+0.640		-9,616	16,131	-2,94	-5,200	19,075	-3,600	18,95	8,00	18,659	16,052	2,607	3,60	18,37	-8,000	5,200	18,243										9,28	15,523	-2,720			
478+10.000		-9,212	16,333	-2,68	-5,200	19,008	-3,600	18,88	8,00	18,592	15,998	2,594	3,60	18,30	-8,000	5,200	18,176										9,53	15,291	-2,885			
479+0.000		-8,996	16,426	-2,53	-5,200	18,957	-3,600	18,83	8,00	18,541	15,914	2,627	3,60	18,25	-8,000	5,200	18,125										9,62	15,178	-2,947			
479+8.850	CE	-8,899	16,446	-2,47	-5,200	18,912	-3,600	18,78	8,00	18,496	15,964	2,532	3,60	18,21	-8,000	5,200	18,080										8,95	15,582	-2,498			
479+10.000		-8,777	16,505	-2,39	-5,188	18,898	-3,588	18,77	7,85	18,490	15,991	2,499	3,59	18,21	-7,850	5,188	18,083										8,87	15,632	-2,451			
480+0.000		-7,756	16,992	-1,78	-5,088	18,771	-3,488	18,67	6,51	18,440	16,205	2,235	3,49	18,21	-6,510	5,089	18,108										8,37	15,922	-2,186			
480+10.000		-6,847	17,408	-1,24	-4,988	18,647	-3,388	18,56	5,18	18,389	16,334	2,055	3,39	18,21	-5,180	4,989	18,131										7,75	16,289	-1,842			
481+0.000		-6,168	17,673	-0,85	-4,888	18,526	-3,288	18,47	3,85	18,338	16,484	1,855	3,29	18,21	-3,850	4,888	18,150										7,34	16,518	-1,632			
481+10.000		-5,903	17,665	-0,74	-4,788	18,408	-3,188	18,37	2,51	18,288	16,418	1,869	3,19	18,19	-3,000	4,789	18,144										7,32	16,456	-1,688			
482+0.000		-5,850	17,518	-0,77	-4,688	18,292	-3,088	18,27	1,18	18,237	16,358	1,878	3,09	18,14	-3,000	4,689	18,096										7,04	16,527	-1,569			
482+8.850	ET	-6,686	16,802	-1,39	-4,600	18,192	-3,000	18,19	0,00	18,192	16,087	2,105	3,00	18,10	-3,000	4,600	18,054										7,23	16,301	-1,753			
483+0.000		-6,336	16,910	-1,16	-4,600	18,067	-3,000	18,09	-1,49	18,136	15,831	2,304	3,00	18,05	-3,000	4,600	17,998										7,64	15,974	-2,024			
484+0.000		-6,679	16,510	-1,39	-4,600	17,896	-3,000	17,94	-3,00	18,034	15,706	2,328	3,00	17,94	-3,000	4,600	17,896										7,97	15,648	-2,248			
485+0.000		-5,971	16,881	-0,91	-4,600	17,795	-3,000	17,84	-3,00	17,933	15,582	2,351	3,00	17,84	-3,000	4,600	17,795										8,28	15,345	-2,450			
486+0.000		-5,618	17,014	-0,68	-4,600	17,693	-3,000	17,74	-3,00	17,831	15,467	2,344	3,00	17,74	-3,000	4,600	17,693										9,23	14,608	-3,085			
487+0.000		-5,378	17,073	-0,52	-4,600	17,592	-3,000	17,64	-3,00	17,730	15,342	2,388	3,00	17,64	-3,000	4,600	17,592										8,82	14,779	-2,813			



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo						Eixo						Lado Direito											
		Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Of Set (Pl 06)			
		Alast.	Cota	Ali	Alast.	Cota	Alast.	Cota	%	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota
488+0.000		-4,852	17,868	0,38			-4,600	17,491	-3,000	17,54	-3,00	-3,00	17,629	15,250	2,379	3,00	17,54	-3,000	17,491	4,600	17,491	4,600	17,491	14,130	-3,361
489+0.000		-4,692	17,328	-0,06			-4,600	17,389	-3,000	17,44	-3,00	-3,00	17,527	15,080	2,447	3,00	17,49	-1,250	17,470	4,600	17,470	4,600	17,470	14,112	-3,358
489+4.699	TS	-4,700	17,299	-0,07			-4,600	17,365	-3,000	17,41	-3,00	-3,00	17,503	15,058	2,446	3,00	17,50	0,000	17,503	4,600	17,503	4,600	17,503	14,139	-3,364
489+10.000		-4,756	17,383	0,05			-4,724	17,335	-3,124	17,38	-3,00	-3,00	17,476	15,016	2,460	3,12	17,52	1,410	17,543	4,724	17,543	4,724	17,543	14,223	-3,320
490+0.000		-5,346	17,806	0,58			-4,957	17,223	-3,357	17,29	-4,08	-4,08	17,426	14,940	2,485	3,36	17,56	4,080	17,628	4,957	17,628	4,957	17,628	14,352	-3,276
490+10.000		-6,131	18,436	1,41			-5,191	17,025	-3,591	17,13	-6,75	-6,75	17,375	15,001	2,374	3,59	17,62	6,750	17,725	5,190	17,725	5,190	17,725	10,888	-3,793
490+14.699	EC	-6,569	18,830	1,90			-5,300	16,927	-3,700	17,06	-8,00	-8,00	17,351	15,617	1,734	3,70	17,65	8,000	17,775	5,300	17,775	5,300	17,775	10,91	-3,741
491+0.000		-6,836	19,205	2,31			-5,300	16,900	-3,700	17,03	-8,00	-8,00	17,324	16,288	1,036	3,70	17,62	8,000	17,748	5,300	17,748	5,300	17,748	10,16	-3,239
491+10.000		-7,255	19,782	2,93			-5,300	16,850	-3,700	16,98	-8,00	-8,00	17,274	17,242	0,032	3,70	17,57	8,000	17,698	5,300	17,698	5,300	17,698	9,79	-2,995
491+12.133		-7,375	19,951	3,11			-5,300	16,839	-3,700	16,97	-8,00	-8,00	17,263	17,547	-0,284	3,70	17,56	8,000	17,687	5,300	17,687	5,300	17,687	9,63	-2,889
492+0.000		-7,907	20,709	3,91			-5,300	16,799	-3,700	16,93	-8,00	-8,00	17,223	18,254	-1,031	3,70	17,52	8,000	17,647	5,300	17,647	5,300	17,647	9,46	-2,774
492+9.568	OE	-8,081	20,922	4,17			-5,300	16,750	-3,700	16,88	-8,00	-8,00	17,174	18,463	-1,288	3,70	17,47	8,000	17,598	5,300	17,598	5,300	17,598	9,58	-2,853
492+10.000		-8,069	20,923	4,17			-5,290	16,755	-3,690	16,88	-7,88	-7,88	17,172	18,477	-1,305	3,69	17,46	7,880	17,589	5,290	17,589	5,290	17,589	9,56	-2,849
493+0.000		-7,714	20,843	3,99			-5,057	16,858	-3,457	16,94	-5,22	-5,22	17,122	18,269	-1,147	3,46	17,30	5,220	17,385	5,056	17,385	5,056	17,385	9,22	-2,777
493+10.000		-6,925	20,115	3,15			-4,823	16,964	-3,223	17,00	-2,23	-2,23	17,071	16,164	0,907	3,22	17,15	2,550	17,194	4,823	17,194	4,823	17,194	8,51	-2,454
493+19.568	ET	-6,035	19,160	2,15			-4,600	17,008	-3,000	17,01	-0,31	-0,31	17,022	16,164	0,858	3,00	17,02	0,000	17,022	4,600	17,022	4,600	17,022	7,71	-2,072
494+0.000		-6,039	19,168	2,16			-4,600	17,010	-3,000	17,01	-0,23	-0,23	17,020	15,365	1,655	3,00	17,02	-0,120	17,015	4,600	17,015	4,600	17,015	7,69	-2,059
494+1.125	TS	-5,837	18,871	1,86			-4,600	17,014	-3,000	17,01	0,00	0,00	17,014	14,787	2,227	3,00	17,00	-0,420	16,995	4,600	16,995	4,600	16,995	7,64	-2,024
494+10.000		-5,045	16,846	-0,21			-4,733	17,053	-3,133	17,03	1,77	1,77	16,969	14,892	2,078	3,13	16,88	-2,780	16,838	4,733	16,838	4,733	16,838	8,24	-2,336
495+0.000		-7,288	15,499	-1,60			-4,883	17,103	-3,283	17,04	3,77	3,77	16,919	15,067	1,852	3,28	16,80	-3,770	16,734	4,883	16,734	4,883	16,734	8,10	-2,145
495+10.000		-8,140	15,088	-2,07			-5,033	17,159	-3,433	17,07	5,77	5,77	16,868	14,956	1,912	3,43	16,67	-5,770	16,577	5,033	16,577	5,033	16,577	8,39	-2,237
496+0.000		-10,373	13,760	-3,46			-5,182	17,220	-3,582	17,10	7,77	7,77	16,817	14,412	2,405	3,58	16,54	-7,770	16,414	5,184	16,414	5,184	16,414	8,24	-2,039
496+1.125	EC	-10,056	13,990	-3,24			-5,200	17,228	-3,600	17,10	8,00	8,00	16,812	14,453	2,358	3,60	16,52	-8,000	16,396	5,200	16,396	5,200	16,396	8,13	-1,954
496+10.000		-8,195	15,186	-2,00			-5,200	17,183	-3,600	17,06	8,00	8,00	16,767	15,007	1,760	3,60	16,48	-8,000	16,351	5,200	16,351	5,200	16,351	7,42	-1,482
497+0.000		-7,870	15,352	-1,78			-5,200	17,132	-3,600	17,00	8,00	8,00	16,716	15,643	1,073	3,60	16,43	-8,000	16,300	5,200	16,300	5,200	16,300	6,43	-0,817
497+10.000		-6,942	15,920	-1,16			-5,200	17,081	-3,600	16,95	8,00	8,00	16,665	16,069	0,597	3,60	16,38	-8,000	16,249	5,200	16,249	5,200	16,249	5,62	-0,280
497+12.336		-6,733	16,048	-1,02			-5,200	17,069	-3,600	16,94	8,00	8,00	16,653	16,168	0,486	3,60	16,37	-8,000	16,237	5,200	16,237	5,200	16,237	5,45	-0,166
498+0.000		-6,104	16,428	-0,60			-5,200	17,031	-3,600	16,90	8,00	8,00	16,615	16,569	0,045	3,60	16,33	-8,000	16,199	5,200	16,199	5,200	16,199	5,32	0,184
498+10.000		-5,736	16,623	-0,36			-5,200	16,980	-3,600	16,85	8,00	8,00	16,564	16,526	0,038	3,60	16,28	-8,000	16,148	5,200	16,148	5,200	16,148	5,33	0,194



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO: 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito											
		Of/SeI (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Cota			Vermeha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Of/SeI (Pl 06)								
		Afast.	Cota	All	Afast.	Cota	Afast.	Afast.	Cota	Afast.	%	Projeto	Terreno	%	Cota	Afast.	Cota	%	Afast.	Cota	%	Afast.	Cota	Afast.	Afast.	Cota	Afast.	Cota	Afast.	Cota	All						
499+0.000		-5,223	16,963	0,03			-5,200	16,929	-3,600	16,80	8,00	16,513	16,677	-0,164	3,60	16,23	-8,000	5,200	16,097											5,30	16,252	0,155					
499+3.547	CE	-5,255	16,874	-0,04			-5,200	16,911	-3,600	16,78	8,00	16,495	16,551	-0,055	3,60	16,21	-8,000	5,200	16,079											5,29	16,218	0,139					
499+10.000		-5,285	16,684	-0,12			-5,103	16,805	-3,503	16,70	6,71	16,462	16,303	0,159	3,50	16,23	-6,710	5,103	16,120											5,11	16,115	-0,005					
500+0.000		-5,341	16,386	-0,26			-4,953	16,645	-3,353	16,57	4,71	16,412	15,946	0,466	3,35	16,25	-4,710	4,954	16,179											5,42	15,865	-0,314					
500+10.000		-5,806	15,823	-0,67			-4,803	16,491	-3,203	16,45	2,71	16,361	15,628	0,733	3,20	16,27	-3,000	4,803	16,217											5,80	15,556	-0,661					
501+0.000		-6,109	15,373	-0,97			-4,653	16,343	-3,053	16,33	0,71	16,310	15,368	0,943	3,05	16,22	-3,000	4,653	16,171											5,91	15,330	-0,841					
501+3.547	ET	-6,050	15,326	-0,97			-4,600	16,292	-3,000	16,29	0,00	16,292	15,317	0,976	3,00	16,20	-3,000	4,600	16,154											5,91	15,283	-0,871					
501+17.233	TS	-6,250	14,997	-1,10			-4,600	16,097	-3,000	16,14	-2,74	16,223	15,139	1,084	3,00	16,22	0,000	4,600	16,223											6,08	15,238	-0,985					
502+0.000		-6,381	14,925	-1,14			-4,665	16,069	-3,065	16,12	-3,00	16,209	15,103	1,106	3,07	16,23	0,740	4,665	16,243											6,14	15,259	-0,984					
502+10.000		-6,520	14,910	-1,08			-4,898	15,992	-3,298	16,05	-3,40	16,158	15,024	1,134	3,30	16,27	3,400	4,898	16,325											6,49	15,265	-1,060					
503+0.000		-6,374	14,967	-0,83			-5,131	15,796	-3,531	15,89	-6,07	16,108	15,258	0,850	3,53	16,32	6,070	5,131	16,419											7,04	15,144	-1,275					
503+7.233	EC	-6,392	14,919	-0,73			-5,300	15,647	-3,700	15,78	-8,00	16,071	15,314	0,757	3,70	16,37	8,000	5,300	16,495											7,36	15,119	-1,376					
503+10.000		-6,465	14,863	-0,77			-5,300	15,633	-3,700	15,76	-8,00	16,057	15,294	0,763	3,70	16,35	8,000	5,300	16,481											7,30	15,147	-1,334					
504+0.000		-6,593	14,720	-0,86			-5,300	15,582	-3,700	15,71	-8,00	16,006	15,176	0,830	3,70	16,30	8,000	5,300	16,430											7,38	15,043	-1,387					
504+4.916		-6,514	14,748	-0,81			-5,300	15,557	-3,700	15,69	-8,00	15,981	15,139	0,843	3,70	16,28	8,000	5,300	16,405											7,40	15,008	-1,397					
504+10.000		-6,451	14,764	-0,77			-5,300	15,532	-3,700	15,66	-8,00	15,956	15,125	0,830	3,70	16,25	8,000	5,300	16,380											7,40	14,980	-1,400					
505+0.000		-6,134	14,925	-0,56			-5,300	15,481	-3,700	15,61	-8,00	15,905	15,181	0,724	3,70	16,20	8,000	5,300	16,329											7,45	14,896	-1,433					
505+2.599	CE	-6,104	14,932	-0,54			-5,300	15,468	-3,700	15,60	-8,00	15,892	15,173	0,719	3,70	16,19	8,000	5,300	16,316											7,44	14,886	-1,430					
505+10.000		-6,008	14,958	-0,59			-5,128	15,945	-3,528	15,64	-6,03	15,854	15,126	0,729	3,53	16,07	6,030	5,127	16,163											7,08	14,865	-1,298					
506+0.000		-5,728	15,083	-0,56			-4,894	15,639	-3,294	15,69	-3,36	15,803	14,969	0,835	3,29	15,91	3,360	4,894	15,968											6,55	14,866	-1,102					
506+10.000		-5,412	15,112	-0,50			-4,661	15,613	-3,061	15,66	-3,00	15,753	15,027	0,726	3,06	15,77	0,690	4,661	15,785											6,05	14,859	-0,926					
506+12.599	ET	-5,310	15,129	-0,47			-4,600	15,602	-3,000	15,65	-3,00	15,740	15,044	0,695	3,00	15,74	0,000	4,600	15,740											5,92	14,858	-0,882					
507+0.000		-5,101	15,230	-0,33			-4,600	15,564	-3,000	15,61	-3,00	15,702	15,095	0,607	3,00	15,64	-1,970	4,600	15,611											5,77	14,835	-0,776					
508+0.000		-4,627	15,445	-0,02			-4,600	15,463	-3,000	15,51	-3,00	15,601	15,207	0,394	3,00	15,51	-3,000	4,600	15,463											5,69	14,735	-0,728					
509+0.000		-4,917	15,150	-0,21			-4,600	15,361	-3,000	15,41	-3,00	15,499	14,833	0,666	3,00	15,41	-3,000	4,600	15,361											5,61	14,688	-0,673					
510+0.000		-4,957	15,022	-0,24			-4,600	15,260	-3,000	15,31	-3,00	15,398	14,573	0,825	3,00	15,31	-3,000	4,600	15,260											5,76	14,489	-0,771					
511+0.000		-4,930	14,939	-0,22			-4,600	15,158	-3,000	15,21	-3,00	15,296	13,984	1,312	3,00	15,21	-3,000	4,600	15,158											6,63	13,807	-1,351					
512+0.000		-5,384	14,534	-0,52			-4,600	15,057	-3,000	15,11	-3,00	15,195	13,845	1,350	3,00	15,11	-3,000	4,600	15,057											7,07	13,413	-1,644					
513+0.000		-5,634	14,282	-0,69			-4,600	14,971	-3,000	15,01	-2,66	15,094	13,766	1,328	3,00	15,00	-3,000	4,600	14,956											6,45	13,720	-1,236					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo				Eixo												Lado Direito			
	Of/SeI (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Of/SeI (Pl 06)			
	Afast.	Cola	Afast.	Cola	Afast.	Cola	Afast.	Cola	Projeto	Terreno	Vermecha	Afast.	Cola	%	Afast.	Cola	Afast.	Cola	All	Cola
513+19.942	-6,188	13,924	-1,06		-4,600	14,993	-3,000	14,99	0,00	14,993	13,642	1,350	3,00	14,90	-3,000	4,600	14,855	6,33	13,703	-1,152
514+0.000	-6,191	13,932	-1,06		-4,600	14,993	-3,000	14,99	0,01	14,992	13,642	1,350	3,00	14,90	-3,000	4,600	14,854	6,33	13,703	-1,151
514+10.000	-6,300	13,950	-1,06		-4,717	15,005	-3,117	14,98	1,34	14,942	13,657	1,285	3,12	14,85	-3,000	4,718	14,800	6,37	13,695	-1,105
515+0.000	-6,444	13,946	-1,07		-4,834	15,020	-3,234	14,98	2,67	14,891	13,687	1,204	3,23	14,79	-3,000	4,834	14,746	6,37	13,719	-1,027
515+10.000	-6,051	14,305	-0,73		-4,951	15,039	-3,351	14,97	4,01	14,840	14,013	0,827	3,35	14,71	-4,010	4,951	14,642	5,80	14,077	-0,565
516+0.000	-5,638	14,684	-0,38		-5,066	15,065	-3,466	14,98	5,34	14,794	14,422	0,372	3,47	14,61	-5,340	5,068	14,524	5,69	14,108	-0,416
516+10.000	-5,470	14,913	-0,19		-5,183	15,104	-3,583	15,00	6,67	14,758	14,697	0,061	3,59	14,52	-6,670	5,185	14,412	5,93	13,914	-0,498
516+19.942	-5,409	15,084	-0,07		-5,300	15,156	-3,700	15,03	8,00	14,732	14,866	-0,134	3,70	14,44	-8,000	5,300	14,308	5,63	14,090	-0,218
517+0.000	-5,407	15,085	-0,07		-5,300	15,156	-3,700	15,03	8,00	14,732	14,867	-0,135	3,70	14,44	-8,000	5,300	14,308	5,63	14,091	-0,217
517+10.000	-5,592	14,945	-0,20		-5,300	15,140	-3,700	15,01	8,00	14,776	14,692	0,024	3,70	14,42	-8,000	5,300	14,292	5,78	13,970	-0,322
518+0.000	-5,775	14,817	-0,32		-5,300	15,133	-3,700	15,01	8,00	14,709	14,466	0,243	3,70	14,41	-8,000	5,300	14,285	6,03	13,801	-0,484
518+9.795	-5,840	14,776	-0,36		-5,300	15,137	-3,700	15,01	8,00	14,713	14,201	0,512	3,70	14,42	-8,000	5,300	14,289	6,30	13,624	-0,665
518+10.000	-5,839	14,778	-0,36		-5,300	15,137	-3,700	15,01	8,00	14,713	14,198	0,515	3,70	14,42	-8,000	5,300	14,289	6,31	13,618	-0,671
519+0.000	-5,792	14,822	-0,33		-5,300	15,150	-3,700	15,02	8,00	14,726	14,216	0,510	3,70	14,43	-8,000	5,300	14,302	6,03	13,818	-0,484
519+10.000	-6,081	14,652	-0,52		-5,300	15,173	-3,700	15,05	8,00	14,749	14,068	0,681	3,70	14,45	-8,000	5,300	14,325	6,49	13,530	-0,795
519+19.648	-8,020	13,386	-1,81		-5,300	15,200	-3,700	15,07	8,00	14,776	13,302	1,474	3,70	14,48	-8,000	5,300	14,352	6,82	13,337	-1,015
520+0.000	-8,020	13,381	-1,82		-5,294	15,198	-3,694	15,07	7,95	14,777	13,256	1,521	3,70	14,48	-7,950	5,297	14,356	6,85	13,321	-1,035
520+10.000	-8,165	13,156	-1,99		-5,178	15,147	-3,578	15,04	6,62	14,805	13,024	1,781	3,58	14,57	-6,620	5,181	14,462	7,22	13,102	-1,360
521+0.000	-8,521	12,794	-2,31		-5,062	15,100	-3,462	15,02	5,29	14,833	12,841	1,992	3,46	14,65	-5,290	5,062	14,565	8,10	12,541	-2,024
521+10.000	-8,840	12,459	-2,60		-4,945	15,056	-3,345	14,99	3,95	14,861	12,530	2,331	3,35	14,73	-3,950	4,947	14,665	7,62	12,883	-1,782
522+0.000	-9,173	12,119	-2,90		-4,829	15,015	-3,229	14,97	2,62	14,888	12,236	2,652	3,23	14,79	-3,000	4,830	14,744	6,73	13,479	-1,265
522+10.000	-8,804	12,249	-2,73		-4,713	14,977	-3,113	14,96	1,29	14,916	11,909	3,007	3,11	14,82	-3,000	4,713	14,775	7,00	13,249	-1,526
522+19.648	-8,932	12,055	-2,89		-4,600	14,943	-3,000	14,94	0,00	14,943	11,590	3,353	3,00	14,85	-3,000	4,600	14,805	7,31	12,996	-1,809
523+0.000	-9,028	11,990	-2,95		-4,600	14,942	-3,000	14,94	-0,05	14,944	11,579	3,365	3,00	14,85	-3,000	4,600	14,806	7,33	12,988	-1,818
524+0.000	-8,792	12,080	-2,80		-4,600	14,875	-3,000	14,92	-2,71	15,000	12,252	2,747	3,00	14,95	-1,780	4,600	14,918	8,85	12,088	-2,830
524+8.912	-8,811	12,079	-2,81		-4,600	14,887	-3,000	14,94	-3,00	15,025	12,085	2,940	3,00	15,03	0,000	4,600	15,025	9,17	11,979	-3,046
524+10.000	-8,840	12,079	-2,81		-4,625	14,889	-3,025	14,94	-3,00	15,028	12,063	2,965	3,02	15,03	0,220	4,624	15,038	9,25	11,956	-3,082
525+0.000	-9,350	11,910	-3,00		-4,850	14,910	-3,250	14,96	-3,00	15,056	11,868	3,188	3,25	15,13	2,220	4,849	15,163	9,75	11,896	-3,267
525+10.000	-9,677	11,802	-3,07		-5,075	14,870	-3,475	14,94	-4,22	15,084	11,828	3,256	3,47	15,23	4,220	5,074	15,298	10,22	11,866	-3,432



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Lado Esquerdo										Eixo										Lado Direito									
	Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermeha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
	Alast.	Ali	Alast.	Cota	Alast.	Cota	Alast.	Cota	Projeto	Terreno	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast.	Ali						
526+0.000	-9,825	11,765	-3,02			-5,300	14,782	-3,700	14,88	-6,22	15,112	11,790	3,322	3,70	15,34	6,220	5,299	15,441					10,68	11,852	-3,589					
526+8.912	-9,948	11,731	-2,97			-5,500	14,696	-3,900	14,82	-8,00	15,136	11,803	3,333	3,90	15,45	8,000	5,500	15,576					11,09	11,853	-3,723					
526+10.000	-9,950	11,732	-2,97			-5,500	14,699	-3,900	14,83	-8,00	15,139	11,805	3,335	3,90	15,45	8,000	5,500	15,579					11,09	11,854	-3,725					
527+0.000	-9,977	11,742	-2,99			-5,500	14,727	-3,900	14,86	-8,00	15,167	11,816	3,351	3,90	15,48	8,000	5,500	15,607					10,17	12,495	-3,112					
527+10.000	-9,997	11,757	-3,00			-5,500	14,755	-3,900	14,88	-8,00	15,195	11,898	3,297	3,90	15,51	8,000	5,500	15,635					9,70	12,838	-2,797					
527+14.292	-10,005	11,764	-3,00			-5,500	14,767	-3,900	14,90	-8,00	15,207	11,898	3,310	3,90	15,52	8,000	5,500	15,647					9,67	12,870	-2,777					
528+0.000	-10,027	11,765	-3,02			-5,500	14,783	-3,900	14,91	-8,00	15,223	11,861	3,362	3,90	15,54	8,000	5,500	15,663					9,45	13,031	-2,632					
528+10.000	-10,078	11,759	-3,05			-5,500	14,811	-3,900	14,94	-8,00	15,251	12,314	2,937	3,90	15,56	8,000	5,500	15,691					9,16	13,251	-2,440					
528+19.673	-9,986	11,847	-2,99			-5,500	14,838	-3,900	14,97	-8,00	15,278	12,835	2,443	3,90	15,59	8,000	5,500	15,718					8,41	13,779	-1,939					
529+0.000	-9,961	11,865	-2,98			-5,494	14,843	-3,894	14,97	-7,93	15,279	12,870	2,409	3,89	15,59	7,930	5,492	15,715					8,34	13,814	-1,901					
529+10.000	-9,136	12,415	-2,58			-5,267	14,994	-3,667	15,09	-5,93	15,307	13,164	2,143	3,67	15,52	5,930	5,267	15,619					6,80	14,600	-1,019					
530+0.000	-8,818	12,620	-2,52			-5,043	15,136	-3,443	15,20	-3,93	15,335	13,148	2,186	3,44	15,47	3,930	5,042	15,533					5,83	15,011	-0,522					
530+10.000	-8,586	12,706	-2,51			-4,818	15,218	-3,218	15,27	-3,00	15,363	13,118	2,245	3,22	15,43	1,930	4,818	15,456					5,37	15,086	-0,370					
530+19.673	-8,326	12,768	-2,48			-4,600	15,252	-3,000	15,30	-3,00	15,390	13,066	2,323	3,00	15,39	0,000	4,600	15,390					5,76	14,618	-0,772					
531+0.000	-8,330	12,766	-2,49			-4,600	15,252	-3,000	15,30	-3,00	15,390	13,093	2,297	3,00	15,39	-0,070	4,600	15,387					5,79	14,593	-0,794					
532+0.000	-8,857	12,470	-2,84			-4,600	15,308	-3,000	15,36	-3,00	15,446	13,029	2,417	3,00	15,36	-3,000	4,600	15,308					6,47	14,061	-1,247					
533+0.000	-8,989	12,438	-2,93			-4,600	15,364	-3,000	15,41	-3,00	15,502	13,003	2,499	3,00	15,41	-3,000	4,600	15,364					6,68	13,977	-1,387					
534+0.000	-7,263	13,644	-1,78			-4,600	15,420	-3,000	15,47	-3,00	15,558	13,430	2,128	3,00	15,47	-3,000	4,600	15,420					5,24	14,996	-0,424					
535+0.000	-6,686	14,161	-1,31			-4,720	15,472	-3,000	15,52	-3,00	15,614	15,029	0,585	3,00	15,52	-3,000	4,600	15,476					4,73	15,663	0,187					
536+0.000	-7,563	14,515	-0,97			-6,107	15,486	-3,000	15,58	-3,00	15,669	15,277	0,392	3,00	15,58	-3,000	5,707	15,498					6,21	16,252	0,754					
537+0.000	-8,886	14,125	-1,39			-6,800	15,516	-3,000	15,63	-3,00	15,720	15,127	0,592	3,00	15,63	-3,000	6,800	15,516					7,03	15,857	0,341					
538+0.000	-7,756	14,196	-1,37			-5,708	15,561	-3,000	15,64	-3,00	15,733	14,492	1,241	3,00	15,64	-3,000	6,107	15,549					6,82	15,077	-0,472					
539+0.000	-7,078	13,957	-1,65			-4,600	15,589	-3,000	15,63	-2,47	15,703	14,378	1,325	3,00	15,61	-3,000	4,721	15,561					5,81	14,835	-0,726					
539+17.613	-7,234	13,884	-1,76			-4,600	15,640	-3,000	15,64	0,00	15,640	14,248	1,393	3,00	15,55	-3,000	4,600	15,502					5,40	14,969	-0,533					
540+0.000	-7,312	13,847	-1,80			-4,616	15,645	-3,016	15,64	0,33	15,629	14,196	1,433	3,02	15,54	-3,000	4,616	15,491					5,41	14,962	-0,529					
540+10.000	-7,251	13,946	-1,71			-4,683	15,658	-3,083	15,63	1,73	15,577	14,330	1,247	3,08	15,48	-3,000	4,683	15,436					5,37	14,975	-0,461					
541+0.000	-7,199	14,034	-1,63			-4,749	15,668	-3,149	15,62	3,13	15,519	14,260	1,259	3,15	15,42	-3,130	4,749	15,370					5,35	14,970	-0,400					
541+7.613	-7,322	13,995	-1,68			-4,800	15,676	-3,200	15,61	4,20	15,475	14,278	1,197	3,20	15,34	-4,200	4,800	15,273					5,29	14,949	-0,324					
541+10.000	-7,290	14,003	-1,66			-4,800	15,662	-3,200	15,60	4,20	15,461	14,241	1,220	3,20	15,33	-4,200	4,800	15,259					5,24	14,968	-0,291					



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Of/Se (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermoha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off/Se (Pl 06)									
		Alast	Cola	Alast.	Cota	Alast	Cota	Alast	Cota	%	Projeto	Terreno	%	Alast	Cota	%	Alast	Cota	Alast.	Cota	Alast.	Cota	Alast	Cola	All	Cola	All				
542+0.000		-7,189	14,012	-1,59		-4,800	15,604	-3,200	15,54	4,20	15,403	14,231	1,172	3,20	15,27	-4,200	4,800	15,201					5,03	15,045	-0,156						
542+1.732		-7,170	14,014	-1,58		-4,800	15,594	-3,200	15,53	4,20	15,393	14,182	1,211	3,20	15,26	-4,200	4,800	15,191					5,09	14,995	-0,196						
542+10.000		-7,098	14,014	-1,53		-4,800	15,546	-3,200	15,48	4,20	15,345	14,255	1,090	3,20	15,21	-4,200	4,800	15,143					5,00	15,010	-0,133						
542+15.851	CE	-7,097	13,981	-1,53		-4,800	15,512	-3,200	15,45	4,20	15,311	14,215	1,096	3,20	15,18	-4,200	4,800	15,109					4,93	15,026	-0,083						
543+0.000		-6,912	14,033	-1,43		-4,772	15,459	-3,172	15,40	3,62	15,287	14,216	1,071	3,17	15,17	-3,620	4,772	15,114					4,90	15,030	-0,084						
543+10.000		-6,396	14,206	-1,13		-4,706	15,333	-3,106	15,30	2,22	15,229	14,345	0,884	3,11	15,14	-3,000	4,706	15,087					4,86	14,986	-0,101						
544+0.000		-6,284	14,112	-1,10		-4,639	15,208	-3,039	15,20	0,82	15,170	14,613	0,557	3,04	15,08	-3,000	4,639	15,031					4,65	15,024	-0,007						
544+5.851	ET	-5,885	14,280	-0,86		-4,600	15,137	-3,000	15,14	0,00	15,137	14,584	0,553	3,00	15,05	-3,000	4,600	14,999					4,77	14,886	-0,113						
545+0.000		-5,704	14,227	-0,74		-4,600	14,963	-3,000	15,00	-1,98	15,054	14,549	0,505	3,00	14,96	-3,000	4,600	14,916					4,61	14,927	0,011						
546+0.000		-6,319	13,654	-1,15		-4,600	14,800	-3,000	14,85	-3,00	14,938	14,245	0,694	3,00	14,85	-3,000	4,600	14,800					4,68	14,915	0,115						
547+0.000		-6,502	13,416	-1,27		-4,600	14,684	-3,000	14,73	-3,00	14,822	13,768	1,054	3,00	14,74	-2,790	4,600	14,694					5,38	14,174	-0,520						
547+10.747	TS	-6,409	13,416	-1,21		-4,600	14,622	-3,000	14,67	-3,00	14,760	13,316	1,444	3,00	14,76	0,000	4,600	14,760					5,66	14,050	-0,710						
548+0.000		-6,565	13,356	-1,21		-4,754	14,564	-3,154	14,61	-3,00	14,706	13,085	1,621	3,15	14,78	2,410	4,754	14,821					6,00	13,990	-0,831						
548+10.000		-6,784	13,160	-1,24		-4,921	14,402	-3,321	14,48	-5,01	14,648	13,267	1,381	3,32	14,81	5,010	4,921	14,894					6,56	13,800	-1,094						
549+0.000		-7,006	12,924	-1,28		-5,088	14,203	-3,488	14,33	-7,61	14,590	12,904	1,686	3,49	14,86	7,610	5,087	14,977					6,98	13,715	-1,262						
549+0.747	EC	-7,221	12,774	-1,41		-5,100	14,188	-3,500	14,31	-7,80	14,586	12,906	1,680	3,50	14,86	7,800	5,100	14,984					7,00	13,717	-1,267						
549+10.000		-7,563	12,492	-1,64		-5,100	14,134	-3,500	14,26	-7,80	14,532	13,079	1,453	3,50	14,81	7,800	5,100	14,930					6,96	13,692	-1,238						
549+16.002		-7,582	12,445	-1,65		-5,100	14,099	-3,500	14,22	-7,80	14,497	12,911	1,587	3,50	14,77	7,800	5,100	14,895					7,00	13,630	-1,265						
550+0.000		-7,634	12,387	-1,69		-5,100	14,076	-3,500	14,20	-7,80	14,474	12,796	1,678	3,50	14,75	7,800	5,100	14,872					7,03	13,584	-1,288						
550+10.000		-7,578	12,366	-1,65		-5,100	14,018	-3,500	14,14	-7,80	14,416	12,870	1,546	3,50	14,69	7,800	5,100	14,814					7,12	13,465	-1,349						
550+11.256	CE	-7,552	12,376	-1,64		-5,100	14,011	-3,500	14,14	-7,80	14,409	12,850	1,588	3,50	14,68	7,800	5,100	14,807					7,14	13,446	-1,361						
551+0.000		-7,332	12,499	-1,59		-4,954	14,084	-3,354	14,17	-5,53	14,358	12,633	1,725	3,35	14,54	5,530	4,954	14,632					7,26	13,098	-1,534						
551+10.000		-7,128	12,596	-1,56		-4,788	14,156	-3,188	14,20	-3,00	14,300	12,859	1,441	3,19	14,39	2,930	4,788	14,440					6,75	13,131	-1,309						
552+0.000		-6,528	12,832	-1,27		-4,621	14,103	-3,021	14,15	-3,00	14,242	12,792	1,450	3,02	14,25	0,330	4,621	14,257					6,57	12,961	-1,296						
552+1.256	ET	-6,427	12,879	-1,22		-4,600	14,097	-3,000	14,15	-3,00	14,235	12,804	1,430	3,00	14,24	0,000	4,600	14,235					6,59	12,908	-1,327						
553+0.000		-5,616	13,340	-0,68		-4,600	14,017	-3,000	14,06	-2,37	14,126	12,852	1,274	3,00	14,04	-3,000	4,600	13,988					6,71	12,581	-1,407						
554+0.000		-6,510	12,733	-1,27		-4,600	14,006	-3,000	14,01	-0,08	14,010	12,498	1,512	3,00	13,92	-3,000	4,600	13,872					6,85	12,374	-1,498						
554+0.695	TS	-6,747	12,574	-1,43		-4,600	14,006	-3,000	14,01	0,00	14,006	12,492	1,514	3,00	13,92	-3,000	4,600	13,868					6,85	12,370	-1,498						
554+10.000		-6,950	12,488	-1,51		-4,680	14,001	-3,080	13,98	1,06	13,952	12,492	1,460	3,08	13,86	-3,000	4,680	13,811					6,93	12,309	-1,502						



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo										Eixo										Lado Direito									
		Of Set (Pl 01)		Rocha		Disp Dren (Pl 02)		Bordo (Pl 03)		Cota		Vermecha		Bordo (Pl 04)		Disp Dren (Pl 05)		Rocha		Rocha		Off Set (Pl 06)									
		Alast	Cota	Alast.	Cota	Alast	Cota	Alast	Cota	Terreno	%	Alast	Cota	%	Alast	Cota	Alast.	Cota	Alast.	Cota	Alast.	Cota	Alast	Cota	Alast	Cota	All				
555+0.000		-7,248	12,343	-1,66		-4,765	13,999	-3,165	13,96	2,21	13,894	12,484	1,409	3,17	13,80	-3,000	4,766	13,751							7,17	12,147	-1,604				
555+10.000		-7,089	12,506	-1,49		-4,851	13,998	-3,251	13,95	3,35	13,886	12,590	1,245	3,25	13,73	-3,350	4,851	13,673							7,22	12,094	-1,579				
556+0.000		-7,205	12,487	-1,51		-4,937	13,999	-3,337	13,93	4,49	13,778	12,559	1,219	3,34	13,63	-4,490	4,937	13,556							7,06	12,141	-1,415				
556+10.000		-7,174	12,568	-1,44		-5,022	14,003	-3,422	13,91	5,63	13,720	12,543	1,177	3,42	13,53	-5,630	5,024	13,436							7,00	12,117	-1,319				
557+0.000		-7,257	12,574	-1,43		-5,107	14,008	-3,507	13,90	6,78	13,662	12,352	1,310	3,51	13,42	-6,780	5,110	13,315							6,86	12,151	-1,164				
557+10.000		-7,392	12,548	-1,47		-5,192	14,015	-3,592	13,89	7,92	13,603	12,445	1,159	3,60	13,32	-7,920	5,196	13,192							6,47	12,345	-0,847				
557+10.695	EC	-7,402	12,547	-1,47		-5,200	14,015	-3,600	13,89	8,00	13,599	12,452	1,147	3,60	13,31	-8,000	5,200	13,183							6,45	12,350	-0,833				
558+0.000		-7,289	12,569	-1,39		-5,200	13,961	-3,600	13,83	8,00	13,545	12,607	0,939	3,60	13,26	-8,000	5,200	13,129							6,30	12,394	-0,735				
558+10.000		-7,199	12,571	-1,33		-5,200	13,903	-3,600	13,78	8,00	13,487	12,988	0,500	3,60	13,20	-8,000	5,200	13,071							5,35	12,973	-0,098				
559+0.000		-7,286	12,455	-1,39		-5,200	13,845	-3,600	13,72	8,00	13,429	13,590	-0,161	3,60	13,14	-8,000	5,200	13,013							5,43	13,359	0,346				
559+10.000		-6,259	13,081	-0,71		-5,200	13,787	-3,600	13,66	8,00	13,371	13,595	-0,223	3,60	13,08	-8,000	5,200	12,955							5,68	13,682	0,727				
559+19.340		-6,138	13,108	-0,63		-5,200	13,733	-3,600	13,61	8,00	13,317	13,628	-0,311	3,60	13,03	-8,000	5,200	12,901							5,73	13,702	0,801				
560+0.000		-6,113	13,121	-0,61		-5,200	13,729	-3,600	13,60	8,00	13,313	13,633	-0,320	3,60	13,03	-8,000	5,200	12,897							5,74	13,701	0,804				
560+10.000		-5,286	13,614	-0,06		-5,200	13,671	-3,600	13,54	8,00	13,255	13,882	-0,626	3,60	12,97	-8,000	5,200	12,839							5,89	13,869	1,030				
561+0.000		-5,444	13,451	-0,16		-5,200	13,613	-3,600	13,49	8,00	13,197	13,852	-0,654	3,60	12,91	-8,000	5,200	12,781							5,86	13,777	0,996				
561+10.000		-5,254	13,519	-0,04		-5,200	13,555	-3,600	13,43	8,00	13,139	13,671	-0,532	3,60	12,85	-8,000	5,200	12,723							5,90	13,773	1,050				
562+0.000		-5,726	13,147	-0,35		-5,200	13,497	-3,600	13,37	8,00	13,081	13,180	-0,099	3,60	12,79	-8,000	5,200	12,665							6,03	13,904	1,239				
562+7.985	CE	-5,540	13,224	-0,23		-5,200	13,451	-3,600	13,32	8,00	13,035	12,855	0,180	3,60	12,75	-8,000	5,200	12,619							6,03	13,869	1,250				
562+10.000		-5,431	13,259	-0,17		-5,181	13,426	-3,581	13,30	7,77	13,023	12,774	0,249	3,59	12,75	-7,770	5,185	12,620							5,99	13,833	1,213				
563+0.000		-5,358	13,128	-0,18		-5,095	13,303	-3,495	13,20	6,63	12,965	12,372	0,593	3,50	12,73	-6,630	5,099	12,627							5,71	12,218	-0,409				
563+10.000		-6,461	12,214	-0,97		-5,010	13,182	-3,410	13,09	5,48	12,907	11,905	1,002	3,41	12,72	-5,480	5,012	12,632							5,06	12,709	0,077				
564+0.000		-6,445	12,050	-1,01		-4,925	13,063	-3,325	12,99	4,34	12,849	11,447	1,402	3,33	12,71	-4,340	4,926	12,635							6,13	11,830	-0,805				
564+10.000		-6,757	11,667	-1,28		-4,840	12,946	-3,240	12,90	3,20	12,791	11,308	1,482	3,24	12,69	-3,200	4,840	12,636							6,40	11,597	-1,039				
565+0.000		-7,469	11,021	-1,81		-4,754	12,831	-3,154	12,80	2,06	12,733	11,020	1,713	3,15	12,64	-3,000	4,754	12,590							6,86	11,189	-1,401				
565+10.000		-7,310	10,957	-1,76		-4,668	12,717	-3,068	12,70	0,91	12,675	11,133	1,541	3,07	12,58	-3,000	4,669	12,535							6,72	11,166	-1,369				
565+17.985	ET	-6,791	11,168	-1,46		-4,600	12,629	-3,000	12,63	0,00	12,629	11,280	1,349	3,00	12,54	-3,000	4,600	12,491							6,81	11,020	-1,471				
566+0.000		-6,837	11,115	-1,49		-4,600	12,606	-3,000	12,61	-0,23	12,617	11,321	1,296	3,00	12,53	-3,000	4,600	12,479							6,89	10,952	-1,527				
567+0.000		-7,300	10,585	-1,80		-4,600	12,385	-3,000	12,43	-2,52	12,501	10,920	1,581	3,00	12,41	-3,000	4,600	12,363							6,78	10,910	-1,453				
568+0.000		-6,402	11,115	-1,20		-4,600	12,317	-3,000	12,37	-3,00	12,455	10,873	1,581	3,00	12,37	-3,000	4,600	12,317							6,73	10,899	-1,418				



NOTA DE PAVIMENTO ACABADO

RODOVIA: MUNICIPAL
TRECHO: 4.5 - MONTE BELO - CERUDE - CAETES (ES-297)

Estaca	Elementos Horizontais	Lado Esquerdo												Eixo												Lado Direito											
		Of/Set (Pl 01)			Rocha			Disp Dren (Pl 02)			Bordo (Pl 03)			Projeto			Cota			Vermilha			Bordo (Pl 04)			Disp Dren (Pl 05)			Rocha			Rocha			Of/Set (Pl 06)		
		Alast.	Cota	Alli	Alast.	Cota	Rocha	Alast.	Cota	Alast.	Cota	%	Alast.	Cota	Projeto	Terreno	Cota	%	Alast.	Cota	%	Alast.	Cota	%	Alast.	Cota	Alast.	Cota	Rocha	Alast.	Cota	Alast.	Cota	Rocha	Alast.	Cota	Alast.
569+0.000		-6,262	11,302	-1,11				-4,600	12,410			-3,000	12,46	-3,00	12,548	11,011		1,537	3,00	-3,000	12,46	-3,000	12,410	4,600	4,600	12,410									6,67	11,029	-1,381
570+0.000		-5,250	12,141	-0,43				-4,600	12,574			-3,000	12,62	-3,00	12,712	11,443		1,269	3,00	-3,000	12,62	-3,000	12,574	4,600	4,600	12,574									6,01	11,638	-0,936
571+0.000		-4,671	12,754	0,11				-4,600	12,647			-3,000	12,70	-3,00	12,785	12,131		0,654	3,00	-3,000	12,70	-3,000	12,647	4,600	4,600	12,647									5,22	12,232	-0,415
571+16,981		-4,648	12,331	0,07				-4,600	12,258			-3,000	12,31	-3,00	12,396	12,396		0,000	3,00	-3,000	12,31	-3,000	12,258	4,600	4,600	12,258									4,76	12,500	0,242

2.2 INTERSEÇÃO DE ACESSO A CAJU – ESTACA 455+0,00



RODOVIA: MUNICIPAL
TRECHO 4.5 - IT-01

NOTA DE PAVIMENTO ACABADO

Estrada	Elementos Horizontais		Lado Esquerdo										Lado Direito											
			Off Set (Pt 01)		Disp Dren (Pt 02)		Bordo (Pt 03)		Projeto		Cota		Vermelha		Bordo (Pt 04)		%		Disp Dren (Pt 05)		Off Set (Pt 06)			
			Alast	Cola	Alt	Cola	Alast	Alast	Cola	%	Alast	Cola	Alast	Cola	Alast	Cola	Alast	Cola	Alast	Cola	Alast	Cola	Alast	Cola
Eixo 3.3																								
Ramo A																								
757+0.000	-5,433	19,394	0,497	-5,100	18,897	-3,000	18,960	-3,000	19,05	18,743	0,308	3	18,96	-3,000	5,1	18,897	6,965	17,654	-1,243					
758+0.000	-8,254	16,85	-2,103	-5,100	18,953	-3,000	19,016	-3,000	19,106	16,994	2,112	3	19,016	-3,000	5,1	18,953	8,031	16,999	-1,954					
0+0.000						-3,000	19,737	3,000	19,647	16,707	2,94				0,8	19,623	5,541	16,462	-3,161					
0+0.001						-3,000	19,737	3,000	19,647	16,707	2,94				0,8	19,623	5,541	16,462	-3,161					
0+10.000						-4,923	19,645	3,810	19,457	16,559	2,898				0,8	19,433	5,471	16,319	-3,114					
1+0.000						-5,500	19,432	3,000	19,267	16,164	3,103				0,8	19,243	5,681	15,989	-3,254					
1+5.600						-11,438	19,517	3,000	19,174	15,865	3,309				0,8	19,15	5,744	15,854	-3,296					
1+10.000						-5,828	19,293	3,000	19,118	16,271	2,847				0,8	19,094	5,366	16,037	-3,057					
2+0.000						-5,441	19,145	1,740	19,05	16,56	2,49				0,8	19,026	4,664	16,45	-2,576					
2+10.000						-3,026	19,112	2,980	19,022	16,965	2,057				2,078	18,96	5,362	16,77	-2,19					
2+11.200						-3,000	19,109	2,990	19,019	16,994	2,025				2,1	18,956	5,325	16,806	-2,15					
2+11.201						-3,000	19,109	2,990	19,019	16,994	2,025				2,1	18,956	5,325	16,806	-2,15					
Ramo B																								
0+0.000						-3,000	19,109	2,990	19,019	16,995	2,024				2,1	18,956	5,036	16,999	-1,957					
0+9.024						-3,000	19,134	2,990	19,044	16,936	2,108				2,1	18,981	5,072	17	-1,981					
0+10.000						-3,017	19,137	2,990	19,047	16,904	2,142				2,085	18,984	5,062	17	-1,984					
1+10.000						-13,839	19,511	3,000	19,096	17,262	1,834				0,8	19,072	3,404	17,336	-1,736					
1+10.548						-13,133	19,491	3,000	19,097	17,246	1,85				0,8	19,073	3,437	17,314	-1,759					
2+0.000						-5,321	19,296	3,580	19,105	16,895	2,21				0,8	19,081	3,551	17,247	-1,834					
2+10.000						-3,079	19,218	3,540	19,109	16,894	2,215				0,8	19,085	3,433	17,329	-1,756					
2+12.071						-3,000	19,199	3,000	19,109	16,903	2,206				0,8	19,085	3,411	17,345	-1,74					

3. CÁLCULO DE VOLUMES

3.1 PISTA PRINCIPAL

Cálculo de Volumes																
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																
Estaca	Áreas								Semi-distância	Volumes						
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado		
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.
Eixo																
5+15.300								27,61								
5+15.301								19,26	46,87	0,00				0,02		0,02
6+0.000								26,26	45,52	2,35				139,73		139,75
6+10.000								11,77	38,03	5,00				251,57		391,32
7+0.000	0,40	0,40						2,01	13,78	5,00	2,06			90,74	2,06	482,06
7+10.000	2,58	2,98						0,05	2,06	5,00	15,06			13,23	17,12	495,29
8+0.000	6,06	8,64						0,01	0,06	5,00	43,88			0,38	61,00	495,67
8+5.383	5,64	11,70						0,01	0,02	2,69	32,08			0,08	93,08	495,75
8+10.000	4,79	10,43						0,01	0,02	2,31	24,49			0,05	117,57	495,80
9+0.000	2,17	6,96						0,02	0,03	5,00	35,13			0,17	152,70	495,97
9+10.000	1,24	3,41						0,03	0,05	5,00	17,06			0,30	169,76	496,27
10+0.000	1,12	2,36						0,52	0,55	5,00	12,13			3,51	181,89	499,78
10+10.000	0,44	1,56						1,62	2,14	5,00	8,18			13,74	190,07	513,52
10+15.465		0,44						2,41	4,03	2,73	1,26			14,23	191,33	527,75
11+0.000								2,85	5,26	2,27				15,52	191,33	543,27
12+0.000								3,92	6,77	10,00				88,00	191,33	631,27
13+0.000								5,08	9,00	10,00				116,99	191,33	748,26
14+0.000								6,01	11,09	10,00				144,26	191,33	892,52
15+0.000								8,46	14,47	10,00				188,16	191,33	1080,68
15+4.296								9,17	17,63	2,15				49,24	191,33	1129,92
15+10.000								9,41	18,58	2,85				68,91	191,33	1198,83
16+0.000								8,06	17,47	5,00				112,72	191,33	1311,55
16+10.000	0,03	0,03						2,67	10,73	5,00	0,13			68,77	191,46	1380,32
16+14.296	0,22	0,25						2,03	4,70	2,15	0,54			13,01	192,00	1393,33
17+0.000	0,76	0,98						2,11	4,14	2,85	2,88			15,21	194,88	1408,54
17+10.000	12,46	13,22						0,29	2,40	5,00	67,98			15,43	262,86	1423,97
17+12.314	15,82	28,28						0,18	0,47	1,16	32,72			0,71	295,58	1424,68
18+0.000	27,59	43,41						0,03	0,21	3,84	171,03			1,04	466,61	1425,72
18+10.000	38,85	66,44						0,01	0,04	5,00	339,63			0,29	806,24	1426,01
18+10.332	39,13	77,98						0,01	0,02	0,17	12,95			0,01	819,19	1426,02
19+0.000	44,85	83,98						0,02	0,03	4,83	412,85			0,18	1232,04	1426,20
19+10.000	43,90	88,75						0,04	0,06	5,00	448,14			0,34	1680,18	1426,54
20+0.000	45,30	89,20						0,02	0,06	5,00	445,99			0,36	2126,17	1426,90
20+0.332	45,48	90,78						0,02	0,04	0,17	15,07			0,01	2141,24	1426,91
21+0.000	64,75	110,23						0,02	0,04	9,83	1083,99			0,51	3225,23	1427,42
22+0.000	52,41	117,16						0,10	0,12	10,00	1171,61			1,58	4396,84	1429,00
23+0.000	11,94	64,35						1,45	1,55	10,00	643,56			20,13	5040,40	1449,13
24+0.000	18,09	30,03						4,75	6,20	10,00	300,32			80,60	5340,72	1529,73
25+0.000	8,94	27,03						9,83	14,58	10,00	270,34			189,57	5611,06	1719,30
25+16.667	6,36	15,30						12,53	22,36	8,33	127,58			242,29	5738,64	1961,59
26+0.000	6,75	13,11						14,01	26,54	1,67	21,85			57,50	5760,49	2019,09
26+10.000	7,32	14,07						13,57	27,58	5,00	70,36			179,25	5830,85	2198,34
27+0.000	7,70	15,02						13,08	26,65	5,00	76,43			171,86	5907,28	2370,20
27+6.667	7,90	15,60						12,91	25,99	3,33	53,29			111,47	5960,57	2481,67
27+10.000	7,69	15,59						13,08	25,99	1,67	25,97			56,30	5986,54	2537,97
28+0.000	6,10	13,79						15,88	28,96	5,00	70,84			186,26	6057,38	2724,23
28+0.989	6,19	12,29						15,90	31,78	0,49	6,08			20,44	6063,46	2744,67
28+10.000	5,85	12,04						16,71	32,61	4,51	55,75			188,84	6119,21	2933,51
28+15.312	4,73	10,58						17,67	34,38	2,66	28,91			117,36	6148,12	3050,87

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
29+0.000	3,09	7,82					18,92	36,59	2,34	18,82			110,34	6166,94			3161,21
29+10.000		3,09					20,47	39,39	5,00	15,74			254,26	6182,68			3415,47
30+0.000							21,05	41,52	5,00				269,85	6182,68			3685,32
30+5.312							21,07	42,12	2,66				145,43	6182,68			3830,75
30+13.706							21,25	42,32	4,20				230,88	6182,68			4061,63
31+0.000							21,42	42,67	3,15				174,56	6182,68			4236,19
31+10.000							20,56	41,98	5,00				273,61	6182,68			4509,80
32+0.000							19,31	39,87	5,00				260,71	6182,68			4770,51
32+10.000							17,59	36,90	5,00				242,55	6182,68			5013,06
33+0.000							17,42	35,01	5,00				232,01	6182,68			5245,07
33+3.706							23,47	40,89	1,85				99,61	6182,68			5344,68
33+10.000							17,73	41,20	3,15				169,56	6182,68			5514,24
34+0.000							13,88	31,61	5,00				207,15	6182,68			5721,39
34+10.000							13,11	26,99	5,00				176,37	6182,68			5897,76
34+12.477							13,08	26,19	1,24				42,47	6182,68			5940,23
35+0.000							15,62	28,70	3,76				141,39	6182,68			6081,62
35+10.000							11,54	27,16	5,00				177,87	6182,68			6259,49
36+0.000							8,29	19,83	5,00				130,23	6182,68			6389,72
36+1.249							8,21	16,50	0,62				13,39	6182,68			6403,11
36+10.000							7,00	15,21	4,38				87,79	6182,68			6490,90
37+0.000							5,46	12,46	5,00				81,89	6182,68			6572,79
37+10.000							4,73	10,19	5,00				66,63	6182,68			6639,42
38+0.000							4,47	9,20	5,00				59,94	6182,68			6699,36
38+10.000							3,75	8,22	5,00				53,38	6182,68			6752,74
38+11.249							3,67	7,42	0,62				6,02	6182,68			6758,76
39+0.000	0,01	0,01					2,94	6,61	4,38	0,02			37,56	6182,70			6796,32
40+0.000	2,32	2,33					0,85	3,79	10,00	23,24			49,25	6205,94			6845,57
41+0.000	16,76	19,08						0,85	10,00	190,81			11,06	6396,75			6856,63
42+0.000	28,21	44,97							10,00	449,72				6846,47			6856,63
43+0.000	27,69	55,90					0,09	0,09	10,00	559,01			1,13	7405,48			6857,76
44+0.000	14,89	42,58					1,14	1,23	10,00	425,83			15,99	7831,31			6873,75
45+0.000	0,39	15,28					2,27	3,41	10,00	152,87			44,31	7984,18			6918,06
46+0.000		0,39					6,36	8,63	10,00	3,95			112,14	7988,13			7030,20
46+1.313							6,01	12,37	0,66				10,56	7988,13			7040,76
46+10.000							10,89	16,90	4,34				95,45	7988,13			7136,21
47+0.000							9,90	20,79	5,00				135,20	7988,13			7271,41
47+10.000							9,35	19,25	5,00				125,31	7988,13			7396,72
47+11.313							9,29	18,64	0,66				15,91	7988,13			7412,63
48+0.000							9,80	19,09	4,34				108,06	7988,13			7520,69
48+6.953							9,03	18,83	3,48				85,25	7988,13			7605,94
48+10.000							8,76	17,79	1,52				35,23	7988,13			7641,17
49+0.000							9,44	18,20	5,00				118,30	7988,13			7759,47
49+2.592							8,03	17,47	1,30				29,44	7988,13			7788,91
49+10.000							8,59	16,62	3,70				80,04	7988,13			7868,95
50+0.000							10,33	18,92	5,00				122,74	7988,13			7991,69
50+10.000							9,98	20,31	5,00				131,95	7988,13			8123,64
50+12.592							10,35	20,33	1,30				34,24	7988,13			8157,88
51+0.000							12,04	22,39	3,70				107,81	7988,13			8265,69
51+0.011							12,04	24,08	0,01				0,17	7988,13			8265,86
51+10.000							14,18	26,22	4,99				170,80	7988,13			8436,66

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
52+0.000							16,92	31,10	5,00				203,99	7988,13			8640,65
52+10.000							17,28	34,20	5,00				226,17	7988,13			8866,82
52+10.011							17,28	34,56	0,01				0,24	7988,13			8867,06
53+0.000							15,02	32,30	4,99				215,50	7988,13			9082,56
53+9.363	0,03	0,03					12,81	27,83	4,68	0,11			175,52	7988,24			9258,08
53+10.000	0,02	0,05					12,91	25,72	0,32	0,01			10,65	7988,25			9268,73
54+0.000		0,02					17,45	30,36	5,00	0,09			204,57	7988,34			9473,30
54+8.715							20,00	37,45	4,36				218,57	7988,34			9691,87
54+10.000							20,17	40,17	0,64				34,42	7988,34			9726,29
55+0.000							23,00	43,17	5,00				285,49	7988,34			10011,78
55+10.000							21,02	44,02	5,00				288,28	7988,34			10300,06
55+18.715							24,18	45,20	4,36				256,49	7988,34			10556,55
56+0.000							24,73	48,91	0,64				40,85	7988,34			10597,40
57+0.000	10,25	10,25					8,74	33,47	10,00	102,49			435,17	8090,83			11032,57
58+0.000	24,70	34,95					3,23	11,97	10,00	349,54			155,65	8440,37			11188,22
58+2.157	24,93	49,63					3,18	6,41	1,08	53,54			8,99	8493,91			11197,21
58+10.000	24,30	49,23					3,32	6,50	3,92	193,06			33,15	8686,97			11230,36
59+0.000	27,68	51,98					3,18	6,50	5,00	257,93			42,75	8944,90			11273,11
59+10.000	23,17	50,85					4,90	8,08	5,00	250,40			53,50	9195,30			11326,61
60+0.000	20,73	43,90					9,26	14,16	5,00	213,49			94,35	9408,79			11420,96
60+2.157	19,75	40,48					7,66	16,92	1,08	42,06			24,39	9450,85			11445,35
60+10.000	16,26	36,01					7,45	15,11	3,92	135,50			78,87	9586,35			11524,22
61+0.000	15,15	31,41					6,18	13,63	5,00	150,05			90,36	9736,40			11614,58
61+10.000	15,45	30,60					3,27	9,45	5,00	145,85			62,52	9882,25			11677,10
61+10.383	15,54	30,99					3,16	6,43	0,19	5,93			1,60	9888,18			11678,70
62+0.000	20,45	35,99					0,57	3,73	4,81	165,23			23,81	10053,41			11702,51
62+10.000	17,06	37,51					0,23	0,80	5,00	179,31			5,43	10232,72			11707,94
62+18.608	18,95	36,01					0,26	0,49	4,30	148,29			2,87	10381,01			11710,81
63+0.000	19,71	38,66					0,27	0,53	0,70	26,91			0,48	10407,92			11711,29
63+10.000	23,02	42,73					0,07	0,34	5,00	206,38			2,22	10614,30			11713,51
64+0.000	29,77	52,79					0,53	0,60	5,00	258,05			4,00	10872,35			11717,51
64+10.000	41,59	71,36					0,09	0,62	5,00	352,44			4,07	11224,79			11721,58
64+18.608	54,84	96,43						0,09	4,30	415,04			0,48	11639,83			11722,06
65+0.000	71,14	125,98							0,70	87,68				11727,51			11722,06
66+0.000	79,53	150,67							10,00	1506,73				13234,24			11722,06
66+13.282	63,47	143,00							6,64	949,67				14183,91			11722,06
67+0.000	57,04	120,51							3,36	404,81				14588,72			11722,06
67+10.000	31,60	88,64							5,00	443,24				15031,96			11722,06
68+0.000	24,41	56,01							5,00	283,07				15315,03			11722,06
68+3.282	22,57	46,98							1,64	77,09				15392,12			11722,06
68+10.000	19,07	41,64							3,36	141,71				15533,83			11722,06
68+10.969	18,58	37,65							0,48	18,24				15552,07			11722,06
68+18.656	14,80	33,38							3,84	129,87				15681,94			11722,06
69+0.000	14,15	28,95							0,67	19,46				15701,40			11722,06
69+10.000	11,66	25,81							5,00	130,24				15831,64			11722,06
70+0.000	6,66	18,32							5,00	92,01				15923,65			11722,06
70+8.656	5,59	12,25							4,33	53,02				15976,67			11722,06
71+0.000	7,95	13,54							5,67	76,82				16053,49			11722,06
72+0.000	9,87	17,82							10,00	178,26				16231,75			11722,06
73+0.000	7,80	17,67					0,16	0,16	10,00	176,69			2,13	16408,44			11724,19

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
73+7.864	9,11	16,91					0,16	0,32	3,93	66,47			1,66	16474,91			11725,85
73+10.000	9,82	18,93					0,19	0,35	1,07	20,22			0,48	16495,13			11726,33
74+0.000	13,56	23,38					0,63	0,82	5,00	116,89			5,33	16612,02			11731,66
74+10.000	19,36	32,92					0,10	0,73	5,00	161,47			4,84	16773,49			11736,50
74+17.864	26,46	45,82					0,16	0,26	3,93	175,07			1,36	16948,56			11737,86
75+0.000	28,26	54,72					0,15	0,31	1,07	58,44			0,43	17007,00			11738,29
75+8.270	32,80	61,06					0,08	0,23	4,13	244,54			1,26	17251,54			11739,55
75+10.000	33,79	66,59					0,06	0,14	0,87	57,60			0,16	17309,14			11739,71
75+18.676	40,23	74,02					0,04	0,10	4,34	311,32			0,59	17620,46			11740,30
76+0.000	41,04	81,27					0,03	0,07	0,66	53,78			0,06	17674,24			11740,36
76+10.000	36,59	77,63					0,09	0,12	5,00	378,99			0,85	18053,23			11741,21
77+0.000	28,75	65,34					0,50	0,59	5,00	322,44			3,89	18375,67			11745,10
77+8.676	18,34	47,09					3,28	3,78	4,34	204,30			21,31	18579,97			11766,41
77+17.642	8,98	27,32					8,33	11,61	4,48	122,46			67,68	18702,43			11834,09
78+0.000	7,20	16,18					10,13	18,46	1,18	19,07			28,29	18721,50			11862,38
78+10.000	9,13	16,33					21,45	31,58	5,00	82,63			202,09	18804,13			12064,47
79+0.000	8,50	17,63					18,78	40,23	5,00	90,57			252,56	18894,70			12317,03
79+7.642	14,82	23,32					14,88	33,66	3,82	92,30			161,58	18987,00			12478,61
79+9.476	16,08	30,90					14,19	29,07	0,92	29,38			32,97	19016,38			12511,58
79+10.000	16,40	32,48					14,00	28,19	0,26	8,52			9,61	19024,90			12521,19
79+11.309	17,14	33,54					13,57	27,57	0,65	21,95			23,46	19046,85			12544,65
80+0.000	18,90	36,04					11,74	25,31	4,35	161,26			135,89	19208,11			12680,54
80+10.000	37,82	56,72						11,74	5,00	288,08			73,65	19496,19			12754,19
81+0.000	54,64	92,46							5,00	464,68				19960,87			12754,19
81+1.309	56,85	111,49							0,65	72,97				20033,84			12754,19
82+0.000	111,54	168,39							9,35	1573,68				21607,52			12754,19
83+0.000	124,59	236,13							10,00	2361,29				23968,81			12754,19
83+2.155	120,53	245,12							1,08	264,17				24232,98			12754,19
83+10.000	104,70	225,23							3,92	883,43				25116,41			12754,19
84+0.000	76,48	181,18							5,00	894,85				26011,26			12754,19
84+10.000	53,46	129,94					11,72	11,72	5,00	638,13			80,99	26649,39			12835,18
85+0.000	37,24	90,70					28,33	40,05	5,00	438,41			280,52	27087,80			13115,70
85+2.155	39,49	76,73					29,68	58,01	1,08	78,68			88,16	27166,48			13203,86
85+10.000	38,76	78,25					27,57	57,25	3,92	290,82			316,78	27457,30			13520,64
86+0.000	37,30	76,06					19,03	46,60	5,00	361,53			329,29	27818,83			13849,93
86+10.000	54,93	92,23						19,03	5,00	442,93			135,04	28261,76			13984,97
86+12.155	60,53	115,46							1,08	120,10				28381,86			13984,97
87+0.000	83,31	143,84							3,92	546,82				28928,68			13984,97
87+10.000	115,85	199,16							5,00	955,49				29884,17			13984,97
88+0.000	142,16	258,01							5,00	1228,78				31112,95			13984,97
88+2.155	142,23	284,39							1,08	291,86				31404,81			13984,97
88+10.000	140,71	282,94							3,92	1057,79				32462,60			13984,97
89+0.000	140,31	281,02							5,00	1351,13				33813,73			13984,97
89+10.000	101,60	241,91							5,00	1176,09				34989,82			13984,97
90+0.000	36,21	137,81					7,39	7,39	5,00	680,43			48,51	35670,25			14033,48
90+2.155	33,93	70,14					7,89	15,28	1,08	75,57			21,39	35745,82			14054,87
90+4.393	32,10	66,03					8,04	15,93	1,12	73,89			23,16	35819,71			14078,03
90+10.000	27,40	59,50					8,02	16,06	2,80	166,83			58,53	35986,54			14136,56
91+0.000	14,07	41,47					7,55	15,57	5,00	210,20			100,30	36196,74			14236,86
91+10.000	41,87	55,94					4,57	12,12	5,00	286,89			77,44	36483,63			14314,30

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
92+0.000	58,70	100,57					3,30	7,87	5,00	520,07			49,56	37003,70			14363,86
92+4.393	60,21	118,91					2,75	6,05	2,20	271,18			16,52	37274,88			14380,38
92+10.000	57,74	117,95					2,48	5,23	2,80	343,40			18,15	37618,28			14398,53
93+0.000	48,06	105,80					2,75	5,23	5,00	548,65			32,42	38166,93			14430,95
93+7.436	45,55	93,61					2,75	5,50	3,72	360,71			25,40	38527,64			14456,35
93+10.000	44,47	90,02					2,93	5,68	1,28	119,49			9,06	38647,13			14465,41
94+0.000	20,13	64,60					4,80	7,73	5,00	334,67			48,35	38981,80			14513,76
94+10.000	24,32	44,45					5,96	10,76	5,00	231,18			67,57	39212,98			14581,33
94+10.480	24,17	48,49					6,03	11,99	0,24	11,65			3,74	39224,63			14585,07
95+0.000	2,44	26,61					8,42	14,45	4,76	131,40			87,17	39356,03			14672,24
95+10.000	1,53	3,97					9,77	18,19	5,00	20,43			116,36	39376,46			14788,60
96+0.000	0,56	2,09					11,74	21,51	5,00	10,62			138,63	39387,08			14927,23
96+10.000	15,27	15,83					9,82	21,56	5,00	79,12			140,10	39466,20			15067,33
96+10.480	15,17	30,44					9,80	19,62	0,24	7,31			6,13	39473,51			15073,46
97+0.000	14,34	29,51					9,75	19,55	4,76	140,46			120,94	39613,97			15194,40
98+0.000	16,27	30,61					10,70	20,45	10,00	306,07			265,75	39920,04			15460,15
99+0.000	20,12	36,39					11,01	21,71	10,00	363,87			282,21	40283,91			15742,36
100+0.000	29,13	49,25					10,53	21,54	10,00	492,47			280,06	40776,38			16022,42
101+0.000	44,65	73,78					6,96	17,49	10,00	737,75			227,36	41514,13			16249,78
102+0.000	49,17	93,82					5,63	12,59	10,00	938,23			163,67	42452,36			16413,45
103+0.000	42,20	91,37					7,98	13,61	10,00	913,71			176,93	43366,07			16590,38
104+0.000	15,85	58,05					14,94	22,92	10,00	580,44			297,98	43946,51			16888,36
105+0.000	11,03	26,88					17,82	32,76	10,00	268,76			425,89	44215,27			17314,25
106+0.000	8,01	19,04					17,32	35,14	10,00	190,39			456,88	44405,66			17771,13
107+0.000	10,77	18,78					17,43	34,75	10,00	187,83			451,78	44593,49			18222,91
108+0.000	12,56	23,33					15,05	32,48	10,00	233,30			422,16	44826,79			18645,07
108+4.825	13,07	25,63					14,60	29,65	2,41	61,84			92,99	44888,63			18738,06
108+10.000	14,08	27,15					14,42	29,02	2,59	70,25			97,60	44958,88			18835,66
109+0.000	15,65	29,73					14,39	28,81	5,00	148,66			187,22	45107,54			19022,88
109+10.000	16,68	32,33					15,24	29,63	5,00	164,24			191,48	45271,78			19214,36
110+0.000	13,39	30,07					16,68	31,92	5,00	153,70			205,54	45425,48			19419,90
110+10.000	6,96	20,35					18,13	34,81	5,00	104,66			223,55	45530,14			19643,45
111+0.000	1,39	8,35					21,75	39,88	5,00	43,27			256,07	45573,41			19899,52
111+4.825	0,76	2,15					26,23	47,98	2,41	5,40			148,79	45578,81			20048,31
111+10.000		0,76					29,66	55,89	2,59	2,05			185,90	45580,86			20234,21
112+0.000							36,78	66,44	5,00	0,01			428,06	45580,87			20662,27
112+10.000							35,75	72,53	5,00				469,20	45580,87			21131,47
113+0.000							32,48	68,23	5,00				442,59	45580,87			21574,06
113+10.000							30,52	63,00	5,00				409,58	45580,87			21983,64
113+10.498							30,50	61,02	0,25				19,77	45580,87			22003,41
114+0.000							31,65	62,15	4,75				384,79	45580,87			22388,20
114+10.000							27,29	58,94	5,00				384,26	45580,87			22772,46
115+0.000							26,75	54,04	5,00				353,57	45580,87			23126,03
115+10.000							24,81	51,56	5,00				337,57	45580,87			23463,60
115+16.171							20,41	45,22	3,09				181,97	45580,87			23645,57
116+0.000							17,86	38,27	1,91				95,27	45580,87			23740,84
116+10.000	6,65	6,65					10,00	27,86	5,00	34,15			179,74	45615,02			23920,58
117+0.000	29,16	35,81					8,28	18,28	5,00	183,41			116,85	45798,43			24037,43
117+10.000	52,78	81,94					5,89	14,17	5,00	417,05			90,61	46215,48			24128,04
118+0.000	99,68	152,46					3,64	9,53	5,00	774,37			61,04	46989,85			24189,08

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
118+10.000	94,12	193,80						3,64	5,00	968,99			23,64	47958,84			24212,72
118+16.171	85,55	179,67							3,09	554,39				48513,23			24212,72
119+0.000	81,11	166,66							1,91	319,03				48832,26			24212,72
120+0.000	94,68	175,79							10,00	1757,88				50590,14			24212,72
121+0.000	42,58	137,26					9,39	9,39	10,00	1372,57			122,12	51962,71			24334,84
122+0.000	16,09	58,67					19,54	28,93	10,00	586,67			376,20	52549,38			24711,04
123+0.000	5,78	21,87					29,68	49,22	10,00	218,66			639,90	52768,04			25350,94
123+11.209	3,01	8,79					31,58	61,26	5,60	49,27			446,34	52817,31			25797,28
124+0.000	0,77	3,78					35,48	67,06	4,40	16,62			383,21	52833,93			26180,49
124+10.000	4,58	5,35					34,02	69,50	5,00	26,73			451,72	52860,66			26632,21
125+0.000	6,19	10,77					33,42	67,44	5,00	53,83			438,34	52914,49			27070,55
125+10.000	11,21	17,40					32,55	65,97	5,00	87,74			425,02	53002,23			27495,57
126+0.000	14,55	25,76					32,08	64,63	5,00	130,37			415,19	53132,60			27910,76
126+10.000	26,44	40,99					27,47	59,55	5,00	208,02			381,14	53340,62			28291,90
126+11.209	27,94	54,38					26,95	54,42	0,60	32,86			42,75	53373,48			28334,65
127+0.000	37,77	65,71					23,64	50,59	4,40	293,49			283,67	53666,97			28618,32
127+10.000	43,23	81,00					21,44	45,08	5,00	411,32			287,21	54078,29			28905,53
127+17.576	44,89	88,12					20,40	41,84	3,79	338,93			201,85	54417,22			29107,38
128+0.000	45,04	89,93					20,18	40,58	1,21	109,02			63,94	54526,24			29171,32
128+10.000	45,84	90,88					19,00	39,18	5,00	461,35			249,53	54987,59			29420,85
129+0.000	41,74	87,58					19,28	38,28	5,00	444,45			244,13	55432,04			29664,98
129+3.943	36,19	77,93					19,67	38,95	1,97	153,61			99,83	55585,65			29764,81
129+10.000	26,38	62,57					21,24	40,91	3,03	192,36			158,55	55778,01			29923,36
130+0.000	10,48	36,86					25,78	47,02	5,00	186,92			302,12	55964,93			30225,48
130+10.000	3,16	13,64					29,15	54,93	5,00	69,08			354,27	56034,01			30579,75
131+0.000	0,03	3,19					34,20	63,35	5,00	15,96			411,80	56049,97			30991,55
131+10.000		0,03					31,82	66,02	5,00	0,14			429,14	56050,11			31420,69
132+0.000							26,48	58,30	5,00				378,95	56050,11			31799,64
132+3.943							24,69	51,17	1,97				131,13	56050,11			31930,77
133+0.000							23,67	48,36	8,03				504,71	56050,11			32435,48
134+0.000							21,88	45,55	10,00				592,17	56050,11			33027,65
135+0.000							17,23	39,11	10,00				508,52	56050,11			33536,17
136+0.000							36,28	53,51	10,00				695,72	56050,11			34231,89
137+0.000							37,48	73,76	10,00				958,86	56050,11			35190,75
137+8.875							53,36	90,84	4,44				524,02	56050,11			35714,77
137+10.000							53,51	106,87	0,56				78,14	56050,11			35792,91
138+0.000							54,13	107,64	5,00				699,61	56050,11			36492,52
138+10.000							72,70	126,83	5,00				831,45	56050,11			37323,97
138+18.875							91,01	163,71	4,44				962,54	56050,11			38286,51
139+0.000							91,24	182,25	0,56				133,26	56050,11			38419,77
139+10.000							84,86	176,10	5,00				1178,93	56050,11			39598,70
139+17.240							61,16	146,02	3,62				709,72	56050,11			40308,42
140+0.000							57,46	118,62	1,38				219,57	56050,11			40527,99
140+10.000	1,01	1,01					46,34	103,80	5,00	4,89			695,55	56055,00			41223,54
140+15.605	3,61	4,62					41,00	87,34	2,80	12,54			327,63	56067,54			41551,17
141+0.000	6,49	10,10					34,95	75,95	2,20	21,58			223,51	56089,12			41774,68
141+10.000	5,17	11,66					25,11	60,06	5,00	57,19			399,71	56146,31			42174,39
142+0.000	3,37	8,54					17,54	42,65	5,00	42,29			281,11	56188,60			42455,50
142+5.605	1,08	4,45					19,37	36,91	2,80	12,46			134,48	56201,06			42589,98
143+0.000	2,07	3,15					19,73	39,10	7,20	22,68			365,82	56223,74			42955,80

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
143+10.520	4,71	6,78					12,16	31,89	5,26	35,70			218,02	56259,44			43173,82
144+0.000	9,80	14,51					10,03	22,19	4,74	68,78			136,70	56328,22			43310,52
144+10.000	14,93	24,73					9,66	19,69	5,00	124,34			126,86	56452,56			43437,38
145+0.000	19,15	34,08					8,90	18,56	5,00	172,01			118,92	56624,57			43556,30
145+10.000	19,80	38,95					8,28	17,18	5,00	197,40			109,39	56821,97			43665,69
146+0.000	16,63	36,43					9,65	17,93	5,00	185,61			113,40	57007,58			43779,09
146+10.000	17,12	33,75					11,30	20,95	5,00	172,98			131,81	57180,56			43910,90
146+10.520	17,08	34,20					11,42	22,72	0,26	8,90			7,68	57189,46			43918,58
147+0.000	15,22	32,30					13,82	25,24	4,74	157,59			150,41	57347,05			44068,99
147+10.000	19,89	35,11					12,87	26,69	5,00	180,71			167,90	57527,76			44236,89
147+16.181	21,14	41,03					13,61	26,48	3,09	130,49			102,93	57658,25			44339,82
148+0.000	21,26	42,40					14,41	28,02	1,91	83,38			67,37	57741,63			44407,19
148+10.000	23,26	44,52					11,93	26,34	5,00	229,35			165,97	57970,98			44573,16
149+0.000	20,81	44,07					11,29	23,22	5,00	227,28			146,61	58198,26			44719,77
149+1.841	22,14	42,95					10,47	21,76	0,92	39,53			26,05	58237,79			44745,82
149+10.000	26,44	48,58					8,58	19,05	4,08	204,16			98,49	58441,95			44844,31
150+0.000	29,13	55,57					6,98	15,56	5,00	284,95			99,01	58726,90			44943,32
150+10.000	32,69	61,82					5,93	12,91	5,00	315,13			82,53	59042,03			45025,85
151+0.000	30,84	63,53					5,62	11,55	5,00	322,15			74,15	59364,18			45100,00
151+10.000	33,96	64,80					4,76	10,38	5,00	326,92			66,93	59691,10			45166,93
152+0.000	35,16	69,12					3,66	8,42	5,00	345,60			54,77	60036,70			45221,70
152+1.841	35,60	70,76					3,48	7,14	0,92	65,15			8,55	60101,85			45230,25
153+0.000	47,61	83,21					1,74	5,22	9,08	755,56			61,65	60857,41			45291,90
154+0.000	65,69	113,30						1,74	10,00	1133,05			22,61	61990,46			45314,51
155+0.000	64,53	130,22							10,00	1302,26				63292,72			45314,51
155+6.577	54,63	119,16							3,29	391,85				63684,57			45314,51
155+10.000	50,41	105,04							1,71	179,80				63864,37			45314,51
156+0.000	38,68	89,09					0,01	0,01	5,00	445,43			0,08	64309,80			45314,59
156+10.000	28,03	66,71						0,01	5,00	336,48			0,08	64646,28			45314,67
156+16.577	21,51	49,54							3,29	165,15				64811,43			45314,67
157+0.000	19,00	40,51							1,71	70,41				64881,84			45314,67
157+8.860	15,97	34,97							4,43	157,16				65039,00			45314,67
157+10.000	15,51	31,48							0,57	17,95				65056,95			45314,67
158+0.000	12,21	27,72							5,00	140,08				65197,03			45314,67
158+1.143	13,67	25,88							0,57	14,79				65211,82			45314,67
158+10.000	29,32	42,99							4,43	191,97				65403,79			45314,67
159+0.000	54,09	83,41							5,00	419,27				65823,06			45314,67
159+10.000	70,50	124,59							5,00	622,93				66445,99			45314,67
159+11.143	72,41	142,91							0,57	81,69				66527,68			45314,67
160+0.000	88,85	161,26							4,43	714,12				67241,80			45314,67
161+0.000	95,37	184,22							10,00	1842,16				69083,96			45314,67
162+0.000	51,03	146,40							10,00	1463,96				70547,92			45314,67
163+0.000	60,92	111,95					0,36	0,36	10,00	1119,46			4,70	71667,38			45319,37
164+0.000	46,25	107,17					0,90	1,26	10,00	1071,65			16,43	72739,03			45335,80
164+3.243	41,88	88,13					1,65	2,55	1,62	142,91			5,38	72881,94			45341,18
164+10.000	36,88	78,76					4,43	6,08	3,38	266,09			26,70	73148,03			45367,88
165+0.000	30,30	67,18					9,54	13,97	5,00	331,29			92,69	73479,32			45460,57
165+10.000	22,27	52,57					15,82	25,36	5,00	255,19			170,98	73734,51			45631,55
166+0.000	20,87	43,14					19,72	35,54	5,00	205,70			244,17	73940,21			45875,72
166+3.243	21,11	41,98					21,43	41,15	1,62	64,11			93,01	74004,32			45968,73

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
166+10.000	22,50	43,61					22,13	43,56	3,38	138,43			206,40	74142,75			46175,13
167+0.000	30,05	52,55					19,97	42,10	5,00	247,68			298,22	74390,43			46473,35
167+10.000	26,78	56,83					24,37	44,34	5,00	268,30			316,76	74658,73			46790,11
167+15.374	28,38	55,16					23,68	48,05	2,69	139,94			184,79	74798,67			46974,90
168+0.000	29,51	57,89					21,31	44,99	2,31	126,69			149,52	74925,36			47124,42
168+10.000	30,91	60,42					10,17	31,48	5,00	287,14			228,22	75212,50			47352,64
169+0.000	27,77	58,68					17,33	27,50	5,00	279,03			200,80	75491,53			47553,44
169+7.505	24,15	51,92					21,33	38,66	3,75	184,49			210,51	75676,02			47763,95
169+10.000	22,46	46,61					21,13	42,46	1,25	55,05			76,45	75731,07			47840,40
170+0.000	13,15	35,61					25,82	46,95	5,00	170,31			330,78	75901,38			48171,18
170+10.000	12,70	25,85					21,65	47,47	5,00	125,53			324,68	76026,91			48495,86
171+0.000	15,08	27,78					17,66	39,31	5,00	136,78			262,60	76163,69			48758,46
171+7.505	17,74	32,82					14,16	31,82	3,75	123,16			155,25	76286,85			48913,71
171+12.359	19,83	37,57					13,54	27,70	2,43	91,18			87,41	76378,03			49001,12
172+0.000	23,86	43,69					13,06	26,60	3,82	166,94			132,10	76544,97			49133,22
172+10.000	31,50	55,36					12,12	25,18	5,00	272,75			167,12	76817,72			49300,34
173+0.000	43,79	75,29					9,59	21,71	5,00	365,15			146,28	77182,87			49446,62
173+2.359	44,30	88,09					9,80	19,39	1,18	99,67			31,10	77282,54			49477,72
173+10.000	45,48	89,78					8,64	18,44	3,82	327,83			95,76	77610,37			49573,48
173+15.112	48,56	94,04					7,24	15,88	2,56	229,41			55,02	77839,78			49628,50
174+0.000	53,47	102,03					5,68	12,92	2,44	237,97			42,77	78077,75			49671,27
174+7.864	46,45	99,92					5,36	11,04	3,93	374,45			58,72	78452,20			49729,99
174+10.000	45,03	91,48					4,95	10,31	1,07	93,13			14,85	78545,33			49744,84
175+0.000	61,93	106,96					3,10	8,05	5,00	508,90			53,86	79054,23			49798,70
175+10.000	65,10	127,03					3,46	6,56	5,00	615,15			43,30	79669,38			49842,00
175+17.864	66,85	131,95					2,05	5,51	3,93	518,87			28,13	80188,25			49870,13
176+0.000	67,00	133,85					1,57	3,62	1,07	142,94			5,02	80331,19			49875,15
176+11.514	39,63	106,63					3,40	4,97	5,76	613,85			37,19	80945,04			49912,34
177+0.000	32,61	72,24					5,68	9,08	4,24	306,51			50,07	81251,55			49962,41
177+10.000	22,43	55,04					7,96	13,64	5,00	281,42			87,74	81532,97			50050,15
178+0.000	9,80	32,23					15,53	23,49	5,00	167,65			149,43	81700,62			50199,58
178+10.000	0,51	10,31					20,82	36,35	5,00	54,64			229,49	81755,26			50429,07
178+11.514	0,02	0,53					21,76	42,58	0,76	0,43			40,74	81755,69			50469,81
179+0.000		0,02					27,02	48,78	4,24	0,08			265,41	81755,77			50735,22
179+10.000							24,64	51,66	5,00				336,11	81755,77			51071,33
179+15.300							23,84	48,48	2,65				168,23	81755,77			51239,56
180+0.000							23,22	47,06	2,35				145,41	81755,77			51384,97
180+10.000							19,97	43,19	5,00				285,06	81755,77			51670,03
180+19.086							16,77	36,74	4,54				220,37	81755,77			51890,40
181+0.000							15,85	32,62	0,46				19,39	81755,77			51909,79
181+10.000							9,37	25,22	5,00				164,63	81755,77			52074,42
182+0.000							7,61	16,98	5,00				109,64	81755,77			52184,06
182+10.000							7,18	14,79	5,00				95,51	81755,77			52279,57
182+19.086	0,62	0,62					6,89	14,07	4,54	2,81			83,09	81758,58			52362,66
183+0.000	0,80	1,42					6,95	13,84	0,46	0,65			8,23	81759,23			52370,89
184+0.000	5,61	6,41					7,66	14,61	10,00	64,06			189,86	81823,29			52560,75
184+11.414	10,59	16,20					7,78	15,44	5,71	92,43			114,50	81915,72			52675,25
185+0.000	16,69	27,28					7,99	15,77	4,29	117,10			88,00	82032,82			52763,25
185+10.000	18,95	35,64					8,60	16,59	5,00	176,45			108,61	82209,27			52871,86
186+0.000	21,67	40,62					9,32	17,92	5,00	199,66			118,17	82408,93			52990,03

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
186+1.414	20,79	42,46					9,67	18,99	0,71	30,02			17,45	82438,95			53007,48
186+10.000	15,64	36,43					10,74	20,41	4,29	153,05			116,17	82592,00			53123,65
186+15.398	13,46	29,10					11,20	21,94	2,70	76,86			78,46	82668,86			53202,11
187+0.000	12,02	25,48					11,50	22,70	2,30	57,37			69,18	82726,23			53271,29
187+9.383	6,62	18,64					12,49	23,99	4,69	85,62			149,03	82811,85			53420,32
187+10.000	6,39	13,01					12,48	24,97	0,31	4,01			10,01	82815,86			53430,33
188+0.000	3,61	10,00					12,15	24,63	5,00	49,15			162,47	82865,01			53592,80
188+10.000	1,43	5,04					11,68	23,83	5,00	24,97			156,19	82889,98			53748,99
188+19.383	0,77	2,20					11,12	22,80	4,69	10,36			139,06	82900,34			53888,05
189+0.000	0,75	1,52					10,32	21,44	0,31	0,47			8,60	82900,81			53896,65
190+0.000	3,17	3,92					8,40	18,72	10,00	39,13			243,43	82939,94			54140,08
191+0.000	1,36	4,53					10,12	18,52	10,00	45,24			240,80	82985,18			54380,88
192+0.000	0,77	2,13					9,94	20,06	10,00	21,23			260,72	83006,41			54641,60
193+0.000	1,43	2,20					7,38	17,32	10,00	22,02			225,07	83028,43			54866,67
193+15.757	5,22	6,65					1,75	9,13	7,88	52,42			93,53	83080,85			54960,20
194+0.000	7,96	13,18					0,34	2,09	2,12	27,96			5,77	83108,81			54965,97
194+10.000	13,51	21,47					0,04	0,38	5,00	106,34			2,49	83215,15			54968,46
195+0.000	24,20	37,71					0,02	0,06	5,00	184,93			0,37	83400,08			54968,83
195+5.757	22,53	46,73					0,07	0,09	2,88	130,74			0,32	83530,82			54969,15
195+10.000	20,30	42,83					0,09	0,16	2,12	87,85			0,46	83618,67			54969,61
196+0.000	18,55	38,85					0,35	0,44	5,00	187,58			2,97	83806,25			54972,58
196+6.056	13,98	32,53					2,09	2,44	3,03	95,00			9,82	83901,25			54982,40
196+10.000	11,90	25,88					3,57	5,66	1,97	49,18			14,83	83950,43			54997,23
197+0.000	9,37	21,27					7,57	11,14	5,00	102,55			73,94	84052,98			55071,17
197+6.354	7,30	16,67					9,55	17,12	3,18	51,12			72,04	84104,10			55143,21
197+10.000	6,05	13,35					10,72	20,27	1,82	23,54			48,81	84127,64			55192,02
198+0.000	3,92	9,97					15,30	26,02	5,00	48,66			171,44	84176,30			55363,46
198+10.000	1,70	5,62					17,48	32,78	5,00	27,75			214,60	84204,05			55578,06
198+16.354	0,76	2,46					18,93	36,41	3,18	7,81			150,38	84211,86			55728,44
199+0.000	0,50	1,26					19,85	38,78	1,82	2,29			91,88	84214,15			55820,32
200+0.000	0,34	0,84					21,82	41,67	10,00	8,35			541,63	84222,50			56361,95
201+0.000	0,21	0,55					25,88	47,70	10,00	5,45			620,10	84227,95			56982,05
201+13.690	0,06	0,27					21,92	47,80	6,85	1,82			425,37	84229,77			57407,42
202+0.000		0,06					21,57	43,49	3,15	0,18			178,35	84229,95			57585,77
202+10.000							20,74	42,31	5,00				275,03	84229,95			57860,80
203+0.000	0,21	0,21					17,82	38,56	5,00	1,05			248,58	84231,00			58109,38
203+3.690	0,48	0,69					16,50	34,32	1,85	1,28			82,33	84232,28			58191,71
203+10.000	0,97	1,45					15,31	31,81	3,15	4,68			128,90	84236,96			58320,61
203+17.292	1,41	2,38					15,00	30,31	3,65	8,85			141,94	84245,81			58462,55
204+0.000	1,68	3,09					15,48	30,48	1,35	4,19			53,64	84250,00			58516,19
204+10.000	2,67	4,35					12,17	27,65	5,00	22,15			177,41	84272,15			58693,60
204+10.895	2,71	5,38					11,97	24,14	0,45	2,40			14,03	84274,55			58707,63
205+0.000	3,35	6,06					11,01	22,98	4,55	28,00			134,48	84302,55			58842,11
205+10.000	4,84	8,19					10,72	21,73	5,00	41,33			140,25	84343,88			58982,36
206+0.000	6,00	10,84					9,50	20,22	5,00	54,19			131,41	84398,07			59113,77
206+0.895	6,02	12,02					10,01	19,51	0,45	5,37			11,34	84403,44			59125,11
207+0.000	6,48	12,50					15,00	25,01	9,55	119,38			310,62	84522,82			59435,73
208+0.000		6,48					21,24	36,24	10,00	64,81			471,12	84587,63			59906,85

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
209+0.000	INTERSEÇÃO COM TRECHO 4.2																
210+0.000																	
211+0.000																	
212+0.000																	
213+0.000							2,14	17,80	10,00				231,37	84587,63			61886,24
213+5.775	2,06	2,06					0,02	2,16	2,89	5,95				8,11	84593,58		61894,35
213+10.000	4,61	6,67						0,02	2,11	14,09				0,06	84607,67		61894,41
214+0.000	9,63	14,24							5,00	71,18				0,01	84678,85		61894,42
214+10.000	7,87	17,50					0,01	0,01	5,00	87,33				0,05	84766,18		61894,47
215+0.000	5,67	13,54					0,16	0,17	5,00	67,47				1,08	84833,65		61895,55
215+10.000	2,93	8,60					1,71	1,87	5,00	42,66				12,33	84876,31		61907,88
216+0.000	0,02	2,95					9,45	11,16	5,00	14,53				73,35	84890,84		61981,23
216+10.000		0,02					17,17	26,62	5,00	0,10				175,32	84890,94		62156,55
217+0.000							28,96	46,13	5,00					305,08	84890,94		62461,63
217+5.775							37,17	66,13	2,89					253,38	84890,94		62715,01
217+10.000							40,32	77,49	2,11					217,38	84890,94		62932,39
218+0.000							24,93	65,25	5,00					431,54	84890,94		63363,93
218+10.000							23,99	48,92	5,00					321,09	84890,94		63685,02
219+0.000							26,56	50,55	5,00					330,92	84890,94		64015,94
219+7.861							25,36	51,92	3,93					266,62	84890,94		64282,56
219+10.000							24,93	50,29	1,07					69,94	84890,94		64352,50
220+0.000							19,42	44,35	5,00					287,08	84890,94		64639,58
220+10.000	0,23	0,23					12,09	31,51	5,00	1,19				201,38	84892,13		64840,96
221+0.000	4,84	5,07					11,36	23,45	5,00	26,06				148,71	84918,19		64989,67
221+9.947	7,82	12,66					9,02	20,38	4,97	64,75				128,58	84982,94		65118,25
221+10.000	7,82	15,64					9,01	18,03	0,03	0,42				0,62	84983,36		65118,87
222+0.000	7,44	15,26					10,80	19,81	5,00	78,52				125,71	85061,88		65244,58
222+10.000	8,78	16,22					8,97	19,77	5,00	83,20				125,84	85145,08		65370,42
223+0.000	7,82	16,60					9,59	18,56	5,00	84,78				118,65	85229,86		65489,07
223+10.000	10,20	18,02					8,29	17,88	5,00	91,61				114,69	85321,47		65603,76
224+0.000	12,57	22,77					8,06	16,35	5,00	115,29				105,19	85436,76		65708,95
224+10.000	11,62	24,19					5,54	13,60	5,00	121,99				87,77	85558,75		65796,72
225+0.000	10,84	22,46					3,39	8,93	5,00	112,26				58,08	85671,01		65854,80
225+9.947	14,39	25,23					3,03	6,42	4,97	125,46				41,56	85796,47		65896,36
226+0.000	20,27	34,66					2,48	5,51	5,03	174,20				36,05	85970,67		65932,41
227+0.000	32,65	52,92						2,48	10,00	529,19				32,27	86499,86		65964,68
228+0.000	32,37	65,02							10,00	650,21					87150,07		65964,68
228+4.797	30,72	63,09							2,40	151,30					87301,37		65964,68
228+10.000	29,23	59,95							2,60	155,94					87457,31		65964,68
229+0.000	26,21	55,44							5,00	277,18					87734,49		65964,68
229+10.000	24,18	50,39							5,00	251,93					87986,42		65964,68
229+14.797	22,79	46,97							2,40	112,64					88099,06		65964,68
230+0.000	21,06	43,85							2,60	114,08					88213,14		65964,68
230+7.468	17,84	38,90							3,73	145,28					88358,42		65964,68
230+10.000	16,87	34,71							1,27	43,95					88402,37		65964,68
231+0.000	13,57	30,44							5,00	152,24				0,02	88554,61		65964,70
231+0.139	13,55	27,12					0,01	0,01	0,07	1,89					88556,50		65964,70
231+10.000	11,42	24,97					0,56	0,57	4,93	123,11				3,62	88679,61		65968,32
232+0.000	9,93	21,35					1,76	2,32	5,00	106,76				15,04	88786,37		65983,36
232+10.000	11,88	21,81					3,07	4,83	5,00	109,06				31,37	88895,43		66014,73

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
232+10.139	11,92	23,80					3,08	6,15	0,07	1,66			0,56	88897,09			66015,29
233+0.000	15,25	27,17					3,23	6,31	4,93	133,94			40,43	89031,03			66055,72
233+7.906	14,47	29,72					5,34	8,57	3,95	117,46			44,00	89148,49			66099,72
233+10.000	14,40	28,87					6,04	11,38	1,05	30,22			15,49	89178,71			66115,21
234+0.000	14,04	28,44					12,25	18,29	5,00	140,62			120,54	89319,33			66235,75
234+10.000	16,94	30,98					10,29	22,54	5,00	150,83			152,29	89470,16			66388,04
234+17.906	22,59	39,53					5,73	16,02	3,95	150,42			87,94	89620,58			66475,98
235+0.000	24,95	47,54					4,57	10,30	1,05	47,86			15,22	89668,44			66491,20
235+10.000	25,24	50,19					2,32	6,89	5,00	242,66			48,74	89911,10			66539,94
235+19.744	29,36	54,60						2,32	4,87	258,71			16,06	90169,81			66556,00
236+0.000	29,36	58,72							0,13	7,50				90177,31			66556,00
236+10.000	27,38	56,74							5,00	276,77				90454,08			66556,00
237+0.000	28,16	55,54							5,00	271,03				90725,11			66556,00
237+1.583	27,09	55,25							0,79	42,70				90767,81			66556,00
237+10.000	21,60	48,69							4,21	200,96				90968,77			66556,00
238+0.000	18,73	40,33							5,00	199,54				91168,31			66556,00
238+10.000	14,91	33,64					0,08	0,08	5,00	167,57			0,53	91335,88			66556,53
238+11.583	14,45	29,36					0,08	0,16	0,79	23,24			0,17	91359,12			66556,70
239+0.000	12,69	27,14					0,06	0,14	4,21	114,24			0,76	91473,36			66557,46
239+3.001	11,50	24,19					0,07	0,13	1,50	36,30			0,25	91509,66			66557,71
239+10.000	9,87	21,37					0,45	0,52	3,50	74,78			2,37	91584,44			66560,08
240+0.000	8,29	18,16					1,00	1,45	5,00	91,96			9,28	91676,40			66569,36
240+10.000	2,36	10,65					4,70	5,70	5,00	54,77			36,28	91731,17			66605,64
240+13.001	0,88	3,24					6,58	11,28	1,50	5,07			21,47	91736,24			66627,11
241+0.000		0,88					13,74	20,32	3,50	3,21			91,33	91739,45			66718,44
241+10.000							24,60	38,34	5,00				248,59	91739,45			66967,03
241+11.136							25,45	50,05	0,57				36,95	91739,45			67003,98
242+0.000							32,16	57,61	4,43				332,62	91739,45			67336,60
242+9.271							34,08	66,24	4,64				398,27	91739,45			67734,87
242+10.000							33,79	67,87	0,36				32,17	91739,45			67767,04
243+0.000							22,70	56,49	5,00				363,14	91739,45			68130,18
243+10.000	3,43	3,43					8,30	31,00	5,00	17,42			198,85	91756,87			68329,03
243+19.271	4,99	8,42					4,31	12,61	4,64	39,25			75,30	91796,12			68404,33
244+0.000	5,21	10,20					4,20	8,51	0,36	3,72			4,03	91799,84			68408,36
245+0.000	3,94	9,15					5,06	9,26	10,00	91,60			120,35	91891,44			68528,71
245+16.158	2,83	6,77					10,17	15,23	8,08	54,74			159,91	91946,18			68688,62
246+0.000	2,68	5,51					11,98	22,15	1,92	10,58			55,30	91956,76			68743,92
246+10.000	2,18	4,86					16,79	28,77	5,00	24,10			188,47	91980,86			68932,39
247+0.000	2,16	4,34					22,17	38,96	5,00	21,38			257,34	92002,24			69189,73
247+6.158	2,65	4,81					28,40	50,57	3,08	14,49			207,40	92016,73			69397,13
247+10.000	2,48	5,13					30,98	59,38	1,92	9,59			152,64	92026,32			69549,77
248+0.000	2,27	4,75					34,38	65,36	5,00	23,10			437,96	92049,42			69987,73
248+2.742	2,02	4,29					35,93	70,31	1,37	5,88			125,30	92055,30			70113,03
248+10.000	1,60	3,62					40,73	76,66	3,63	12,75			374,02	92068,05			70487,05
248+19.326	0,85	2,45					43,55	84,28	4,66	11,08			529,52	92079,13			71016,57
249+0.000	0,78	1,63					43,61	87,16	0,34	0,55			38,18	92079,68			71054,75
249+10.000	0,62	1,40					45,25	88,86	5,00	6,83			594,78	92086,51			71649,53
250+0.000	0,82	1,44					43,77	89,02	5,00	7,09			588,27	92093,60			72237,80
250+9.326	0,22	1,04					43,25	87,02	4,66	4,83			527,49	92098,43			72765,29
251+0.000		0,22					45,11	88,36	5,34	1,17			613,05	92099,60			73378,34

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
252+0.000	0,22	0,22					36,51	81,62	10,00	2,24			1061,18	92101,84			74439,52
253+0.000	1,62	1,84					23,18	59,69	10,00	18,49			776,02	92120,33			75215,54
254+0.000	6,83	8,45					11,65	34,83	10,00	84,50			452,79	92204,83			75668,33
255+0.000	18,17	25,00						11,65	10,00	249,98			151,47	92454,81			75819,80
255+15.844	27,60	45,77							7,92	362,60				92817,41			75819,80
256+0.000	30,17	57,77							2,08	120,05				92937,46			75819,80
256+10.000	30,22	60,39							5,00	301,94				93239,40			75819,80
257+0.000	31,44	61,66							5,00	306,44				93545,84			75819,80
257+5.844	30,06	61,50							2,92	177,97				93723,81			75819,80
257+10.000	28,61	58,67							2,08	120,47				93844,28			75819,80
257+17.852	26,21	54,82					7,52	7,52	3,93	212,45			39,68	94056,73			75859,48
258+0.000	25,55	51,76					8,08	15,60	1,07	55,61			21,78	94112,34			75881,26
258+9.859	22,59	48,14					9,06	17,14	4,93	233,87			113,06	94346,21			75994,32
258+10.000	22,54	45,13					9,03	18,09	0,07	3,18			1,66	94349,39			75995,98
259+0.000	20,05	42,59					6,21	15,24	5,00	210,17			101,13	94559,56			76097,11
259+10.000	20,73	40,78					3,05	9,26	5,00	202,29			60,85	94761,85			76157,96
259+19.859	22,42	43,15					0,44	3,49	4,93	212,73			22,38	94974,58			76180,34
260+0.000	22,46	44,88					0,41	0,85	0,07	3,16			0,08	94977,74			76180,42
261+0.000	28,00	50,46						0,41	10,00	504,63			5,39	95482,37			76185,81
262+0.000	35,60	63,60					0,01	0,01	10,00	636,04			0,09	96118,41			76185,90
263+0.000	42,44	78,04					1,16	1,17	10,00	780,44			15,16	96898,85			76201,06
263+0.337	42,34	84,78					1,17	2,33	0,17	14,29			0,51	96913,14			76201,57
263+10.000	42,60	84,94					1,98	3,15	4,83	410,37			19,76	97323,51			76221,33
264+0.000	43,80	86,40					2,95	4,93	5,00	429,51			32,33	97753,02			76253,66
264+10.000	46,05	89,85					3,30	6,25	5,00	445,09			41,35	98198,11			76295,01
264+10.337	46,06	92,11					3,29	6,59	0,17	15,52			1,44	98213,63			76296,45
265+0.000	44,75	90,81					2,52	5,81	4,83	434,28			37,39	98647,91			76333,84
265+7.118	30,87	75,62					7,69	10,21	3,56	266,34			48,41	98914,25			76382,25
265+10.000	27,22	58,09					10,01	17,70	1,44	83,72			33,17	98997,97			76415,42
266+0.000	18,42	45,64					17,07	27,08	5,00	225,58			179,81	99223,55			76595,23
266+3.899	11,56	29,98					23,67	40,74	1,95	58,46			103,24	99282,01			76698,47
266+10.000	2,50	14,06					36,20	59,87	3,05	42,32			240,63	99324,33			76939,10
267+0.000		2,50					81,50	117,70	5,00	12,34			774,10	99336,67			77713,20
267+10.000							126,58	208,08	5,00				1352,51	99336,67			79065,71
267+13.899							107,35	233,93	1,95				592,81	99336,67			79658,52
267+14.297							108,05	215,40	0,20				55,82	99336,67			79714,34
268+0.000							136,31	244,36	2,85				905,75	99336,67			80620,09
268+10.000							122,92	259,23	5,00				1673,48	99336,67			82293,57
269+0.000							112,28	235,20	5,00				1516,85	99336,67			83810,42
269+4.297							103,56	215,84	2,15				598,82	99336,67			84409,24
269+10.000							92,83	196,39	2,85				721,76	99336,67			85131,00
270+0.000							76,62	169,45	5,00				1087,85	99336,67			86218,85
270+0.546							75,79	152,41	0,27				54,10	99336,67			86272,95
270+10.000							67,20	142,99	4,73				864,73	99336,67			87137,68
270+16.795							59,91	127,11	3,40				551,62	99336,67			87689,30
271+0.000							57,65	117,56	1,60				240,58	99336,67			87929,88
271+10.000							51,96	109,61	5,00				704,60	99336,67			88634,48
272+0.000							44,85	96,81	5,00				626,29	99336,67			89260,77
272+6.795							40,95	85,80	3,40				378,92	99336,67			89639,69
273+0.000							25,21	66,16	6,60				567,88	99336,67			90207,57

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
273+5.238							18,38	43,59	2,62				148,44	99336,67			90356,01
273+10.000	0,85	0,85					14,49	32,87	2,38	2,04			101,75	99338,71			90457,76
274+0.000	8,91	9,76					10,79	25,28	5,00	48,84			164,30	99387,55			90622,06
274+10.000	6,81	15,72					8,23	19,02	5,00	79,63			122,42	99467,18			90744,48
275+0.000	3,08	9,89					6,48	14,71	5,00	50,39			94,38	99517,57			90838,86
275+10.000	1,15	4,23					5,67	12,15	5,00	21,70			77,86	99539,27			90916,72
275+15.238	0,20	1,35					5,76	11,43	2,62	3,65			38,45	99542,92			90955,17
276+0.000		0,20					6,59	12,35	2,38	0,49			37,99	99543,41			90993,16
276+10.000							6,50	13,09	5,00				84,99	99543,41			91078,15
277+0.000							8,16	14,66	5,00				95,49	99543,41			91173,64
277+8.088							7,69	15,85	4,04				83,61	99543,41			91257,25
277+10.000							7,89	15,58	0,96				19,36	99543,41			91276,61
278+0.000							9,86	17,75	5,00				115,74	99543,41			91392,35
278+10.000							8,82	18,68	5,00				121,69	99543,41			91514,04
279+0.000							8,36	17,18	5,00				111,49	99543,41			91625,53
279+0.937							9,14	17,50	0,47				10,66	99543,41			91636,19
279+10.000							13,63	22,77	4,53				132,80	99543,41			91768,99
280+0.000							14,25	27,88	5,00				179,32	99543,41			91948,31
280+10.000	3,65	3,65					13,18	27,43	5,00	18,53			176,53	99561,94			92124,84
281+0.000	11,32	14,97					12,85	26,03	5,00	75,58			167,82	99637,52			92292,66
281+10.000	5,56	16,88					18,26	31,11	5,00	84,43			202,22	99721,95			92494,88
281+10.937	5,00	10,56					18,82	37,08	0,47	4,95			22,59	99726,90			92517,47
282+0.000	1,33	6,33					23,50	42,32	4,53	28,69			249,31	99755,59			92766,78
283+0.000		1,33					48,50	72,00	10,00	13,31			935,97	99768,90			93702,75
284+0.000							57,38	105,88	10,00				1376,35	99768,90			95079,10
284+18.733							52,96	110,34	9,37				1343,50	99768,90			96422,60
285+0.000							51,38	104,34	0,63				85,94	99768,90			96508,54
285+10.000							34,45	85,83	5,00				557,91	99768,90			97066,45
286+0.000	7,96	7,96					18,65	53,10	5,00	39,52			347,12	99808,42			97413,57
286+8.733	19,73	27,69					8,96	27,61	4,37	119,52			158,39	99927,94			97571,96
286+10.000	20,87	40,60					7,70	16,66	0,63	25,73			13,72	99953,67			97585,68
286+18.630	28,34	49,21					0,78	8,48	4,32	209,28			48,16	100162,95			97633,84
287+0.000	29,82	58,16					0,26	1,04	0,68	39,84			0,93	100202,79			97634,77
287+8.527	52,78	82,60						0,26	4,26	344,82			1,47	100547,61			97636,24
287+10.000	54,79	107,57							0,74	79,24				100626,85			97636,24
288+0.000	76,74	131,53							5,00	645,06				101271,91			97636,24
288+10.000	93,06	169,80							5,00	849,00				102120,91			97636,24
288+18.527	101,66	194,72							4,26	830,14				102951,05			97636,24
289+0.000	103,17	204,83							0,74	150,88				103101,93			97636,24
290+0.000	171,24	274,41							10,00	2744,15				105846,08			97636,24
291+0.000	221,49	392,73							10,00	3927,33				109773,41			97636,24
292+0.000	167,06	388,55							10,00	3885,49				113658,90			97636,24
293+0.000	65,36	232,42					2,33	2,33	10,00	2324,18			30,32	115983,08			97666,56
293+5.129	28,05	93,41					6,29	8,62	2,56	239,55			28,74	116222,63			97695,30
293+10.000	12,56	40,61					16,71	23,00	2,44	98,91			72,83	116321,54			97768,13
294+0.000		12,56					38,72	55,43	5,00	63,91			354,73	116385,45			98122,86
294+10.000							48,02	86,74	5,00				554,11	116385,45			98676,97
294+15.129							46,58	94,60	2,56				313,68	116385,45			98990,65
295+0.000							48,53	95,11	2,44				300,75	116385,45			99291,40
295+6.541							38,22	86,75	3,27				368,22	116385,45			99659,62

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
295+10.000							34,09	72,31	1,73				162,04	116385,45			99821,66
295+17.952							29,62	63,71	3,98				327,09	116385,45			100148,75
296+0.000							28,48	58,10	1,02				76,64	116385,45			100225,39
296+10.000							20,46	48,94	5,00				314,65	116385,45			100540,04
297+0.000							15,60	36,06	5,00				231,47	116385,45			100771,51
297+7.952	1,49	1,49					8,95	24,55	3,98	5,91			126,90	116391,36			100898,41
297+16.847	8,85	10,34					4,37	13,32	4,45	45,99			77,05	116437,35			100975,46
298+0.000	12,50	21,35					3,05	7,42	1,58	33,67			15,21	116471,02			100990,67
298+10.000	18,99	31,49					1,89	4,94	5,00	157,44			32,05	116628,46			101022,72
299+0.000	27,78	46,77					0,70	2,59	5,00	229,98			17,15	116858,44			101039,87
299+6.847	25,39	53,17					2,01	2,71	3,42	177,45			12,37	117035,89			101052,24
299+10.000	24,14	49,53					2,26	4,27	1,58	75,77			9,02	117111,66			101061,26
299+17.000	22,68	46,82					3,17	5,43	3,50	158,97			25,49	117270,63			101086,75
300+0.000	22,27	44,95					4,18	7,35	1,50	65,43			14,84	117336,06			101101,59
300+7.152	16,99	39,26					5,45	9,63	3,58	136,29			46,52	117472,35			101148,11
300+10.000	15,11	32,10					5,57	11,02	1,42	45,71			20,40	117518,06			101168,51
301+0.000	11,67	26,78					5,26	10,83	5,00	131,17			72,37	117649,23			101240,88
301+10.000	11,05	22,72					4,24	9,50	5,00	112,40			62,69	117761,63			101303,57
301+17.152	10,26	21,31					3,53	7,77	3,58	76,21			36,15	117837,84			101339,72
302+0.000	10,09	20,35					3,29	6,82	1,42	28,98			12,63	117866,82			101352,35
302+7.319	10,59	20,68					1,25	4,54	3,66	75,68			21,58	117942,50			101373,93
302+10.000	10,56	21,15					0,52	1,77	1,34	28,35			3,07	117970,85			101377,00
303+0.000	9,34	19,90					1,79	2,31	5,00	99,52			15,00	118070,37			101392,00
303+10.000	6,32	15,66					4,63	6,42	5,00	79,51			41,34	118149,88			101433,34
303+17.319	3,66	9,98					6,67	11,30	3,66	37,40			53,28	118187,28			101486,62
304+0.000	2,36	6,02					7,71	14,38	1,34	8,07			25,05	118195,35			101511,67
304+10.000	0,73	3,09					9,90	17,61	5,00	15,85			113,58	118211,20			101625,25
304+13.053		0,73					10,71	20,61	1,53	1,11			40,91	118212,31			101666,16
305+0.000							15,43	26,14	3,47				117,69	118212,31			101783,85
305+8.787							18,60	34,03	4,39				194,85	118212,31			101978,70
305+10.000							18,51	37,11	0,61				29,27	118212,31			102007,97
306+0.000							18,42	36,93	5,00				240,31	118212,31			102248,28
306+10.000							15,37	33,79	5,00				219,49	118212,31			102467,77
306+18.787							15,50	30,87	4,39				176,35	118212,31			102644,12
307+0.000							15,10	30,60	0,61				24,14	118212,31			102668,26
308+0.000							8,79	23,89	10,00				310,63	118212,31			102978,89
309+0.000							3,92	12,71	10,00				165,22	118212,31			103144,11
310+0.000	2,47	2,47					0,29	4,21	10,00	24,69			54,65	118237,00			103198,76
311+0.000	8,76	11,23						0,29	10,00	112,30			3,74	118349,30			103202,50
311+12.592	5,99	14,75					0,04	0,04	6,30	92,85			0,30	118442,15			103202,80
312+0.000	4,98	10,97					0,03	0,07	3,70	40,60			0,34	118482,75			103203,14
312+10.000	0,94	5,92					3,27	3,30	5,00	29,35			21,62	118512,10			103224,76
313+0.000	0,02	0,96					5,35	8,62	5,00	4,69			56,65	118516,79			103281,41
313+10.000		0,02					5,96	11,31	5,00	0,08			74,29	118516,87			103355,70
314+0.000							10,17	16,13	5,00				106,09	118516,87			103461,79
314+10.000							14,20	24,37	5,00				161,50	118516,87			103623,29
314+12.592							15,11	29,31	1,30				50,66	118516,87			103673,95
315+0.000							16,47	31,58	3,70				155,45	118516,87			103829,40
315+10.000							16,59	33,06	5,00				218,32	118516,87			104047,72
316+0.000							20,30	36,89	5,00				242,33	118516,87			104290,05

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
316+8.595							22,27	42,57	4,30				239,64	118516,87			104529,69
316+10.000							22,52	44,79	0,70				41,21	118516,87			104570,90
317+0.000							25,71	48,23	5,00				315,77	118516,87			104886,67
317+10.000							19,13	44,84	5,00				292,08	118516,87			105178,75
318+0.000							9,35	28,48	5,00	0,02			182,66	118516,89			105361,41
318+4.598	1,02	1,02					4,65	14,00	2,30	2,47			40,33	118519,36			105401,74
318+10.000	3,23	4,25					1,60	6,25	2,70	11,91			20,92	118531,27			105422,66
319+0.000	8,11	11,34					0,12	1,72	5,00	57,61			10,66	118588,88			105433,32
319+10.000	11,15	19,26						0,12	5,00	96,98			0,78	118685,86			105434,10
320+0.000	13,40	24,55							5,00	123,44			0,02	118809,30			105434,12
320+10.000	9,78	23,18					0,03	0,03	5,00	116,42			0,17	118925,72			105434,29
321+0.000	5,27	15,05					0,29	0,32	5,00	75,44			2,02	119001,16			105436,31
321+4.598	2,97	8,24					0,48	0,77	2,30	18,95			2,29	119020,11			105438,60
322+0.000	0,42	3,39					3,25	3,73	7,70	26,16			37,33	119046,27			105475,93
323+0.000		0,42					17,81	21,06	10,00	4,22			273,80	119050,49			105749,73
324+0.000							38,82	56,63	10,00				736,24	119050,49			106485,97
325+0.000							58,32	97,14	10,00				1262,84	119050,49			107748,81
326+0.000							76,14	134,46	10,00				1747,97	119050,49			109496,78
327+0.000							62,37	138,51	10,00				1800,63	119050,49			111297,41
327+10.945							59,36	121,73	5,47				865,99	119050,49			112163,40
328+0.000							55,94	115,30	4,53				678,59	119050,49			112841,99
328+10.000							55,29	111,23	5,00				727,21	119050,49			113569,20
329+0.000							51,43	106,72	5,00				702,96	119050,49			114272,16
329+10.000							41,99	93,42	5,00				622,11	119050,49			114894,27
329+10.945							40,99	82,98	0,47				50,97	119050,49			114945,24
330+0.000							28,28	69,27	4,53				422,42	119050,49			115367,66
330+10.000	0,07	0,07					14,87	43,15	5,00	0,32			292,25	119050,81			115659,91
331+0.000	3,82	3,89					4,50	19,37	5,00	18,67			132,24	119069,48			115792,15
331+1.258	4,35	8,17					3,83	8,33	0,63	5,14			6,81	119074,62			115798,96
331+10.000	9,47	13,82					0,32	4,15	4,37	58,55			24,89	119133,17			115823,85
332+0.000	18,03	27,50						0,32	5,00	134,60			2,18	119267,77			115826,03
332+10.000	22,32	40,35							5,00	198,43				119466,20			115826,03
332+11.572	23,19	45,51							0,79	35,23				119501,43			115826,03
333+0.000	28,34	51,53							4,21	214,86				119716,29			115826,03
333+10.000	37,08	65,42							5,00	325,85				120042,14			115826,03
334+0.000	42,93	80,01							5,00	399,34				120441,48			115826,03
334+10.000	46,55	89,48							5,00	447,05				120888,53			115826,03
334+11.572	47,42	93,97							0,79	73,85				120962,38			115826,03
335+0.000	55,83	103,25							4,21	435,09				121397,47			115826,03
336+0.000	68,40	124,23							10,00	1242,31				122639,78			115826,03
337+0.000	49,88	118,28							10,00	1182,83				123822,61			115826,03
338+0.000	37,28	87,16							10,00	871,62				124694,23			115826,03
338+10.790	34,21	71,49							5,39	385,70				125079,93			115826,03
339+0.000	36,10	70,31							4,61	323,74				125403,67			115826,03
339+10.000	41,13	77,23							5,00	380,83				125784,50			115826,03
340+0.000	67,58	108,71							5,00	525,47				126309,97			115826,03
340+0.790	69,00	136,58							0,39	53,98				126363,95			115826,03
340+10.000	82,31	151,31							4,61	664,16				127028,11			115826,03
340+18.786	104,47	186,78							4,39	784,03				127812,14			115826,03
341+0.000	108,31	212,78							0,61	129,14				127941,28			115826,03

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
341+10.000	133,92	242,23							5,00	1159,42				129100,70			115826,03
341+16.782	161,57	295,49							3,39	961,21				130061,91			115826,03
342+0.000	173,02	334,59							1,61	518,75				130580,66			115826,03
342+10.000	166,05	339,07							5,00	1649,77				132230,43			115826,03
343+0.000	147,62	313,67							5,00	1546,16				133776,59			115826,03
343+6.782	124,64	272,26							3,39	923,22				134699,81			115826,03
344+0.000	80,94	205,58							6,61	1358,68				136058,49			115826,03
345+0.000	19,47	100,41					0,36	0,36	10,00	1004,03		4,66	137062,52			115830,69	
345+12.764	15,76	35,23					4,10	4,46	6,38	224,80		36,96	137287,32			115867,65	
346+0.000	15,39	31,15					6,26	10,36	3,62	112,69		48,70	137400,01			115916,35	
346+10.000	13,48	28,87					7,06	13,32	5,00	144,37		86,58	137544,38			116002,93	
347+0.000	4,33	17,81					9,28	16,34	5,00	89,67		105,61	137634,05			116108,54	
347+10.000	3,72	8,05					8,41	17,69	5,00	40,67		113,98	137674,72			116222,52	
348+0.000	5,66	9,38					9,03	17,44	5,00	47,52		112,01	137722,24			116334,53	
348+10.000	4,67	10,33					9,72	18,75	5,00	52,45		120,07	137774,69			116454,60	
349+0.000	0,50	5,17					12,16	21,88	5,00	26,31		139,79	137801,00			116594,39	
349+10.000	1,15	1,65					13,04	25,20	5,00	8,42		160,39	137809,42			116754,78	
350+0.000	1,20	2,35					16,30	29,34	5,00	12,04		185,84	137821,46			116940,62	
350+10.000	0,20	1,40					18,21	34,51	5,00	7,21		218,47	137828,67			117159,09	
350+12.764	0,20	0,40					18,88	37,09	1,38	0,58		64,99	137829,25			117224,08	
351+0.000		0,20					21,27	40,15	3,62	0,76		184,71	137830,01			117408,79	
351+10.000							24,69	45,96	5,00			293,79	137830,01			117702,58	
352+0.000							28,17	52,86	5,00			339,59	137830,01			118042,17	
352+10.000							30,76	58,93	5,00			380,17	137830,01			118422,34	
353+0.000							34,27	65,03	5,00			420,81	137830,01			118843,15	
353+5.102							32,20	66,47	2,55			219,62	137830,01			119062,77	
353+10.000							29,84	62,04	2,45			196,74	137830,01			119259,51	
354+0.000							25,05	54,89	5,00			355,44	137830,01			119614,95	
354+10.000	0,35	0,35					6,95	32,00	5,00	1,79		206,47	137831,80			119821,42	
355+0.000	15,05	15,40						6,95	5,00	78,17		44,21	137909,97			119865,63	
355+10.000	36,36	51,41							5,00	260,97			138170,94			119865,63	
355+17.440	31,01	67,37							3,72	254,63			138425,57			119865,63	
356+0.000	26,08	57,09							1,28	74,23			138499,80			119865,63	
356+10.000	1,15	27,23					3,33	3,33	5,00	138,26		21,15	138638,06			119886,78	
357+0.000		1,15					28,30	31,63	5,00	5,93		204,11	138643,99			120090,89	
357+10.000							31,43	59,73	5,00			386,33	138643,99			120477,22	
358+0.000							34,83	66,26	5,00			429,04	138643,99			120906,26	
358+10.000							31,88	66,71	5,00			432,06	138643,99			121338,32	
359+0.000							29,31	61,19	5,00			396,09	138643,99			121734,41	
359+10.000							24,45	53,76	5,00			347,82	138643,99			122082,23	
360+0.000							19,02	43,47	5,00			281,30	138643,99			122363,53	
360+10.000	0,14	0,14					14,58	33,60	5,00	0,70		218,37	138644,69			122581,90	
360+17.440	0,84	0,98					12,16	26,74	3,72	3,66		129,32	138648,35			122711,22	
361+0.000	1,28	2,12					11,48	23,64	1,28	2,72		39,33	138651,07			122750,55	
362+0.000		1,28					24,25	35,73	10,00	12,79		464,48	138663,86			123215,03	
362+14.474							31,67	55,92	7,24			526,11	138663,86			123741,14	
363+0.000							34,00	65,67	2,76			235,90	138663,86			123977,04	
363+10.000							35,27	69,27	5,00			450,27	138663,86			124427,31	
364+0.000							33,89	69,16	5,00			448,65	138663,86			124875,96	
364+10.000							33,89	67,78	5,00			439,72	138663,86			125315,68	

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
364+14.474							34,47	68,36	2,24				198,56	138663,86			125514,24
365+0.000							35,50	69,97	2,76				251,23	138663,86			125765,47
365+10.000							36,64	72,14	5,00				468,87	138663,86			126234,34
365+16.988							37,50	74,14	3,49				336,61	138663,86			126570,95
366+0.000							37,89	75,39	1,51				147,60	138663,86			126718,55
366+10.000							37,52	75,41	5,00				489,70	138663,86			127208,25
366+19.502							37,01	74,53	4,75				459,94	138663,86			127668,19
367+0.000							36,61	73,62	0,25				23,83	138663,86			127692,02
367+10.000							32,40	69,01	5,00				448,37	138663,86			128140,39
368+0.000							27,37	59,77	5,00				387,91	138663,86			128528,30
368+10.000							14,03	41,40	5,00				268,48	138663,86			128796,78
368+19.502	2,35	2,35					5,30	19,33	4,75	11,16			119,41	138675,02			128916,19
369+0.000	2,72	5,07					4,91	10,21	0,25	1,26			3,31	138676,28			128919,50
370+0.000	11,89	14,61					2,32	7,23	10,00	146,06			94,02	138822,34			129013,52
370+8.761	8,66	20,55					4,26	6,58	4,38	89,99			37,47	138912,33			129050,99
370+10.000	8,30	16,96					4,59	8,85	0,62	10,51			7,13	138922,84			129058,12
371+0.000	5,96	14,26					7,57	12,16	5,00	71,29			79,02	138994,13			129137,14
371+10.000	4,80	10,76					10,60	18,17	5,00	52,94			119,89	139047,07			129257,03
371+18.761	4,48	9,28					14,26	24,86	4,38	39,49			145,08	139086,56			129402,11
372+0.000	4,41	8,89					14,52	28,78	0,62	5,50			23,19	139092,06			129425,30
372+10.000	5,18	9,59					13,48	28,00	5,00	46,28			187,72	139138,34			129613,02
372+16.109	6,65	11,83					12,37	25,85	3,05	34,89			106,06	139173,23			129719,08
373+0.000	8,21	14,86					12,06	24,43	1,95	27,94			63,95	139201,17			129783,03
373+10.000	16,67	24,88					5,10	17,16	5,00	120,68			115,53	139321,85			129898,56
373+13.457	20,80	37,47					3,64	8,74	1,73	63,01			20,37	139384,86			129918,93
374+0.000	29,08	49,88					1,19	4,83	3,27	159,99			21,28	139544,85			129940,21
374+10.000	29,31	58,39					0,78	1,97	5,00	289,02			13,16	139833,87			129953,37
375+0.000	29,51	58,82						0,78	5,00	293,21			5,16	140127,08			129958,53
375+3.457	18,34	47,85							1,73	82,69				140209,77			129958,53
375+7.256	7,81	26,15							1,90	49,68				140259,45			129958,53
375+10.000	1,55	9,36					2,26	2,26	1,37	12,84			4,04	140272,29			129962,57
376+0.000		1,55					31,90	34,16	5,00	7,74			222,08	140280,03			130184,65
376+10.000							33,94	65,84	5,00				428,54	140280,03			130613,19
376+17.256							33,46	67,40	3,63				318,64	140280,03			130931,83
377+0.000							32,83	66,29	1,37				118,22	140280,03			131050,05
377+8.991							30,37	63,20	4,50				370,01	140280,03			131420,06
377+10.000							30,54	60,91	0,50				39,97	140280,03			131460,03
378+0.000							32,58	63,12	5,00				411,03	140280,03			131871,06
378+0.725							31,59	64,17	0,36				30,23	140280,03			131901,29
378+10.000	0,53	0,53					8,77	40,36	4,64	2,48			242,89	140282,51			132144,18
379+0.000	19,51	20,04					4,47	13,24	5,00	100,66			85,29	140383,17			132229,47
379+10.000	15,57	35,08					4,71	9,18	5,00	175,41			59,69	140558,58			132289,16
379+10.725	14,84	30,41					4,73	9,44	0,36	11,02			4,44	140569,60			132293,60
380+0.000	4,93	19,77					5,54	10,27	4,64	91,65			61,90	140661,25			132355,50
381+0.000		4,93					23,02	28,56	10,00	49,27			371,31	140710,52			132726,81
382+0.000							23,45	46,47	10,00				604,11	140710,52			133330,92
383+0.000							14,62	38,07	10,00				494,89	140710,52			133825,81
384+0.000							14,73	29,35	10,00				381,50	140710,52			134207,31
385+0.000							10,59	25,32	10,00				329,16	140710,52			134536,47
386+0.000	25,36	25,36					1,51	12,10	10,00	253,63			157,33	140964,15			134693,80

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
386+3.370	28,00	53,36					1,67	3,18	1,68	89,91			6,97	141054,06			134700,77
386+10.000	27,00	55,00					1,75	3,42	3,32	182,33			14,74	141236,39			134715,51
387+0.000	24,59	51,59					1,56	3,31	5,00	257,94			21,49	141494,33			134737,00
387+10.000	27,24	51,83					0,91	2,47	5,00	257,16			16,15	141751,49			134753,15
388+0.000	30,84	58,08					0,09	1,00	5,00	287,05			6,57	142038,54			134759,72
388+3.370	32,42	63,26					0,07	0,16	1,68	106,58			0,35	142145,12			134760,07
388+10.000	38,36	70,78					0,01	0,08	3,32	231,28			0,33	142376,40			134760,40
388+18.653	47,02	85,38						0,01	4,33	364,30			0,04	142740,70			134760,44
389+0.000	48,64	95,66							0,67	64,42				142805,12			134760,44
389+10.000	40,13	88,77					0,05	0,05	5,00	437,58			0,36	143242,70			134760,80
389+13.936	35,88	76,01					0,46	0,51	1,97	149,60			1,33	143392,30			134762,13
390+0.000	31,10	66,98					2,60	3,06	3,03	200,08			12,22	143592,38			134774,35
390+10.000	18,77	49,87					8,43	11,03	5,00	246,26			72,31	143838,64			134846,66
391+0.000	6,67	25,44					18,50	26,93	5,00	127,21			175,08	143965,85			135021,74
391+10.000	6,28	12,95					19,57	38,07	5,00	64,75			247,46	144030,60			135269,20
391+13.936	6,18	12,46					19,98	39,55	1,97	24,52			101,19	144055,12			135370,39
392+0.000	6,41	12,59					20,44	40,42	3,03	38,17			159,30	144093,29			135529,69
392+19.369	20,50	26,91					11,50	31,94	9,68	260,62			402,06	144353,91			135931,75
393+0.000	20,97	41,47					10,88	22,38	0,32	13,10			9,19	144367,01			135940,94
393+10.000	33,92	54,89					1,16	12,04	5,00	274,46			78,26	144641,47			136019,20
394+0.000	55,29	89,21						1,16	5,00	440,82			7,58	145082,29			136026,78
394+10.000	81,31	136,60							5,00	671,59				145753,88			136026,78
395+0.000	128,05	209,36							5,00	1021,62				146775,50			136026,78
395+10.000	159,57	287,62							5,00	1392,64				148168,14			136026,78
395+19.369	189,80	349,37							4,68	1578,52				149746,66			136026,78
396+0.000	191,59	381,39							0,32	120,42				149867,08			136026,78
396+10.000	191,80	383,39							5,00	1847,58				151714,66			136026,78
397+0.000	185,37	377,17							5,00	1820,16				153534,82			136026,78
397+10.000	160,97	346,34							5,00	1670,80				155205,62			136026,78
397+12.790	153,52	314,49							1,39	422,52				155628,14			136026,78
398+0.000	121,46	274,98							3,61	958,65				156586,79			136026,78
398+10.000	86,14	207,60							5,00	1007,43				157594,22			136026,78
399+0.000	54,29	140,43							5,00	679,21				158273,43			136026,78
399+6.211	40,12	94,41							3,11	282,70				158556,13			136026,78
399+10.000	31,57	71,69					3,07	3,07	1,89	130,55			7,93	158686,68			136034,71
400+0.000	17,13	48,70					10,41	13,48	5,00	234,20			90,53	158920,88			136125,24
400+10.000	16,22	33,35					10,89	21,30	5,00	161,27			141,78	159082,15			136267,02
401+0.000	16,51	32,73					16,37	27,26	5,00	159,73			181,49	159241,88			136448,51
401+10.000	28,22	44,73					6,14	22,51	5,00	220,15			148,73	159462,03			136597,24
402+0.000	41,43	69,65					2,85	8,99	5,00	348,22			58,38	159810,25			136655,62
402+6.211	52,12	93,55					0,01	2,86	3,11	290,52			11,55	160100,77			136667,17
403+0.000	85,10	137,22						0,01	6,89	946,09			0,12	161046,86			136667,29
403+7.071	110,90	196,00							3,54	692,97				161739,83			136667,29
403+10.000	117,23	228,13							1,46	334,11				162073,94			136667,29
404+0.000	142,16	259,39							5,00	1281,73				163355,67			136667,29
404+10.000	154,96	297,12							5,00	1446,32				164801,99			136667,29
404+17.071	167,72	322,68							3,54	1096,31				165898,30			136667,29
405+0.000	170,22	337,94							1,46	473,11				166371,41			136667,29
405+9.197	162,69	332,91							4,60	1462,84				167834,25			136667,29
405+10.000	161,86	324,55							0,40	130,34				167964,59			136667,29

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
406+0.000	156,67	318,53							5,00	1518,17				169482,76			136667,29
406+1.323	152,08	308,75							0,66	204,19				169686,95			136667,29
406+10.000	119,05	271,13							4,34	1128,54				170815,49			136667,29
407+0.000	80,33	199,38							5,00	974,28				171789,77			136667,29
407+10.000	60,49	140,82							5,00	704,09				172493,86			136667,29
407+11.323	57,63	118,12							0,66	78,12				172571,98			136667,29
407+12.359	55,47	113,10							0,52	58,62				172630,60			136667,29
408+0.000	42,73	98,20							3,82	375,14				173005,74			136667,29
408+10.000	37,54	80,27							5,00	401,32				173407,06			136667,29
409+0.000	34,29	71,83							5,00	361,91				173768,97			136667,29
409+2.359	36,17	70,46							1,18	83,13				173852,10			136667,29
409+10.000	43,39	79,56							3,82	307,15				174159,25			136667,29
409+13.712	47,23	90,62							1,86	168,18				174327,43			136667,29
410+0.000	53,50	100,73							3,14	316,70				174644,13			136667,29
410+5.064	61,90	115,40							2,53	292,20				174936,33			136667,29
410+10.000	71,92	133,82							2,47	330,26				175266,59			136667,29
411+0.000	106,52	178,44							5,00	892,19				176158,78			136667,29
411+10.000	136,46	242,98							5,00	1214,90				177373,68			136667,29
411+15.064	152,13	288,59							2,53	730,74				178104,42			136667,29
412+0.000	167,45	319,58							2,47	788,68				178893,10			136667,29
413+0.000	188,09	355,54							10,00	3555,48				182448,58			136667,29
413+13.557	174,90	362,99							6,78	2460,51				184909,09			136667,29
414+0.000	170,11	345,01							3,22	1111,48				186020,57			136667,29
414+10.000	159,75	329,86							5,00	1610,49				187631,06			136667,29
415+0.000	148,70	308,45							5,00	1471,73				189102,79			136667,29
415+3.557	148,13	296,83							1,78	495,14				189597,93			136667,29
415+10.000	141,58	289,71							3,22	870,21				190468,14			136667,29
416+0.000	134,59	276,17							5,00	1288,88				191757,02			136667,29
416+3.897	127,78	262,37							1,95	478,30				192235,32			136667,29
416+10.000	103,72	231,50							3,05	666,97				192902,29			136667,29
417+0.000	96,81	200,53							5,00	953,90				193856,19			136667,29
417+4.238	87,93	184,74							2,12	371,67				194227,86			136667,29
417+10.000	78,08	166,01							2,88	457,02				194684,88			136667,29
418+0.000	60,38	138,46							5,00	670,62				195355,50			136667,29
418+10.000	27,26	87,64							5,00	431,50				195787,00			136667,29
418+14.238	16,74	44,00					0,02	0,02	2,12	93,25		0,06	195880,25			136667,35	
419+0.000	3,49	20,23					2,42	2,44	2,88	58,30		9,15	195938,55			136676,50	
419+5.338	0,01	3,50					7,78	10,20	2,67	9,35		35,40	195947,90			136711,90	
419+10.000		0,01					15,57	23,35	2,33	0,03		70,75	195947,93			136782,65	
420+0.000							38,35	53,92	5,00			347,33	195947,93			137129,98	
420+10.000							36,41	74,76	5,00			477,40	195947,93			137607,38	
420+15.338							35,40	71,81	2,67			244,22	195947,93			137851,60	
421+0.000							40,05	75,45	2,33			225,05	195947,93			138076,65	
421+10.000							36,13	76,18	5,00			489,71	195947,93			138566,36	
421+12.967							35,17	71,30	1,48			136,31	195947,93			138702,67	
422+0.000							33,98	69,15	3,52			314,43	195947,93			139017,10	
422+10.000							36,49	70,47	5,00			461,69	195947,93			139478,79	
422+10.595							36,30	72,79	0,30			28,15	195947,93			139506,94	
423+0.000							29,73	66,03	4,70			408,46	195947,93			139915,40	
423+10.000	1,97	1,97					5,51	35,24	5,00	10,05		229,34	195957,98			140144,74	

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
424+0.000	13,50	15,47					0,48	5,99	5,00	77,88			38,70	196035,86			140183,44
424+0.595	14,25	27,75					0,78	1,26	0,30	8,26			0,49	196044,12			140183,93
425+0.000	38,07	52,32						0,78	9,70	507,66			9,83	196551,78			140193,76
425+1.273	42,02	80,09							0,64	50,96				196602,74			140193,76
425+10.000	46,80	88,82							4,36	387,60				196990,34			140193,76
426+0.000	44,60	91,40							5,00	459,65				197449,99			140193,76
426+10.000	42,49	87,09							5,00	440,00				197889,99			140193,76
426+11.273	41,96	84,45							0,64	53,73				197943,72			140193,76
427+0.000	36,36	78,32							4,36	346,45				198290,17			140193,76
427+3.579	36,66	73,02							1,79	130,67				198420,84			140193,76
427+10.000	36,30	72,96							3,21	237,35				198658,19			140193,76
427+15.886	34,78	71,08							2,94	211,93				198870,12			140193,76
428+0.000	20,95	55,73	5,66	5,66	0,93	0,93			2,06	114,64	11,64	1,91		198984,76	11,64	1,91	140193,76
428+10.000	15,65	36,60	9,87	15,53	3,83	4,76			5,00	183,00	77,65	23,80		199167,76	89,29	25,71	140193,76
429+0.000	15,65	31,30	10,94	20,81	5,66	9,49			5,00	156,50	104,05	47,45		199324,26	193,34	73,16	140193,76
429+5.886	16,55	32,20	12,60	23,54	6,72	12,38			2,94	94,76	69,28	36,43		199419,02	262,62	109,60	140193,76
430+0.000	16,59	33,14	15,01	27,61	9,67	16,39			7,06	233,87	194,84	115,66		199652,89	457,46	225,26	140193,76
430+1.152	16,69	33,28	15,16	30,17	9,83	19,50			0,58	19,17	17,38	11,23		199672,06	474,84	236,49	140193,76
430+10.000	10,62	27,31	16,47	31,63	17,80	27,63			4,42	120,82	139,93	122,24		199792,88	614,77	358,73	140193,76
431+0.000	10,99	21,61	17,11	33,58	21,93	39,73			5,00	108,05	167,90	198,65		199900,93	782,67	557,38	140193,76
431+10.000	11,30	22,29	17,49	34,60	18,94	40,87			5,00	111,45	173,00	204,35		200012,38	955,67	761,73	140193,76
431+11.152	11,35	22,65	17,54	35,03	18,73	37,67			0,58	13,05	20,18	21,70		200025,43	975,85	783,43	140193,76
432+0.000	10,90	22,25	16,41	33,95	17,81	36,54			4,42	98,43	150,19	161,65		200123,86	1126,05	945,08	140193,76
432+7.463	10,52	21,42	14,15	30,56	13,76	31,57			3,73	79,93	114,03	117,80		200203,79	1240,08	1062,88	140193,76
432+10.000	10,45	20,97	13,52	27,67	12,92	26,68			1,27	26,60	35,10	33,84		200230,39	1275,18	1096,73	140193,76
433+0.000	10,17	20,62	11,69	25,21	12,18	25,10			5,00	103,10	126,05	125,50		200333,49	1401,23	1222,23	140193,76
433+3.775	14,99	25,16	8,95	20,64	6,47	18,65			1,89	47,49	38,96	35,20		200380,98	1440,19	1257,43	140193,76
433+10.000	12,98	27,97	7,55	16,50	2,37	8,84	0,01	0,01	3,11	87,06	51,36	27,51	0,06	200468,03	1491,54	1284,94	140193,82
434+0.000	15,43	28,41		7,55		2,37	0,09	0,10	5,00	142,05	37,75	11,85	0,71	200610,08	1529,29	1296,79	140194,53
434+10.000	7,36	22,79					0,77	0,86	5,00	112,67			5,68	200722,75	1529,29	1296,79	140200,21
434+13.775	4,64	12,00					1,66	2,43	1,89	22,65			5,97	200745,40	1529,29	1296,79	140206,18
435+0.000	1,83	6,47					3,40	5,06	3,11	20,15			20,48	200765,55	1529,29	1296,79	140226,66
436+0.000	3,63	5,46					11,92	15,32	10,00	54,63			199,18	200820,18	1529,29	1296,79	140425,84
437+0.000	5,82	9,45					13,53	25,45	10,00	94,46			330,84	200914,64	1529,29	1296,79	140756,68
438+0.000	0,66	6,48					20,81	34,34	10,00	64,78			446,35	200979,42	1529,29	1296,79	141203,03
438+17.116		0,66					25,85	46,66	8,56	5,65			519,09	200985,07	1529,29	1296,79	141722,12
439+0.000							26,50	52,35	1,44				98,13	200985,07	1529,29	1296,79	141820,25
439+10.000							31,53	58,03	5,00				377,22	200985,07	1529,29	1296,79	142197,47
440+0.000							21,66	53,19	5,00				345,57	200985,07	1529,29	1296,79	142543,04
440+7.116							17,15	38,81	3,56				179,64	200985,07	1529,29	1296,79	142722,68
440+10.000							15,35	32,50	1,44				60,93	200985,07	1529,29	1296,79	142783,61
441+0.000							8,15	23,50	5,00				152,82	200985,07	1529,29	1296,79	142936,43
441+3.719							7,55	15,70	1,86				37,87	200985,07	1529,29	1296,79	142974,30
441+10.000							5,88	13,43	3,14				54,77	200985,07	1529,29	1296,79	143029,07
442+0.000	0,01	0,01					3,33	9,21	5,00	0,07			59,76	200985,14	1529,29	1296,79	143088,83
442+0.322	0,02	0,03					3,24	6,57	0,16	0,01			1,38	200985,15	1529,29	1296,79	143090,21
442+10.000	0,04	0,06					4,27	7,51	4,84	0,31			47,02	200985,46	1529,29	1296,79	143137,23
443+0.000		0,04					5,76	10,03	5,00	0,22			65,00	200985,68	1529,29	1296,79	143202,23
443+10.000	0,01	0,01					6,97	12,73	5,00	0,05			82,75	200985,73	1529,29	1296,79	143284,98
443+10.322	0,01	0,02					7,01	13,98	0,16				2,92	200985,73	1529,29	1296,79	143287,90

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
444+0.000	0,02	0,03					8,37	15,38	4,84	0,15			96,76	200985,88	1529,29	1296,79	143384,66
445+0.000		0,02					9,82	18,19	10,00	0,21			236,47	200986,09	1529,29	1296,79	143621,13
446+0.000							12,09	21,91	10,00				284,85	200986,09	1529,29	1296,79	143905,98
446+10.354							12,96	25,05	5,18				168,59	200986,09	1529,29	1296,79	144074,57
447+0.000							13,98	26,94	4,82				168,92	200986,09	1529,29	1296,79	144243,49
447+10.000							13,70	27,68	5,00				179,65	200986,09	1529,29	1296,79	144423,14
448+0.000							13,74	27,44	5,00				177,96	200986,09	1529,29	1296,79	144601,10
448+0.354							13,82	27,56	0,18				6,34	200986,09	1529,29	1296,79	144607,44
448+10.000							14,92	28,74	4,82				179,88	200986,09	1529,29	1296,79	144787,32
448+14.892							15,69	30,61	2,45				97,21	200986,09	1529,29	1296,79	144884,53
449+0.000							17,05	32,74	2,55				108,56	200986,09	1529,29	1296,79	144993,09
449+9.430							20,07	37,12	4,72				227,12	200986,09	1529,29	1296,79	145220,21
449+10.000							20,29	40,36	0,28				14,94	200986,09	1529,29	1296,79	145235,15
450+0.000							24,99	45,28	5,00				293,65	200986,09	1529,29	1296,79	145528,80
450+10.000							29,65	54,64	5,00				354,33	200986,09	1529,29	1296,79	145883,13
450+19.430							32,80	62,45	4,72				382,79	200986,09	1529,29	1296,79	146265,92
451+0.000							32,82	65,62	0,28				24,30	200986,09	1529,29	1296,79	146290,22
452+0.000							19,46	52,28	10,00				679,64	200986,09	1529,29	1296,79	146969,86
453+0.000							29,47	48,93	10,00				636,02	200986,09	1529,29	1296,79	147605,88
454+0.000							19,15	48,62	10,00				631,99	200986,09	1529,29	1296,79	148237,87
455+0.000							21,05	40,20	10,00				522,59	200986,09	1529,29	1296,79	148760,46
456+0.000							14,88	35,93	10,00				467,14	200986,09	1529,29	1296,79	149227,60
457+0.000							32,16	47,04	10,00				611,60	200986,09	1529,29	1296,79	149839,20
458+0.000							29,84	62,00	10,00				806,06	200986,09	1529,29	1296,79	150645,26
459+0.000							22,13	51,97	10,00				675,57	200986,09	1529,29	1296,79	151320,83
460+0.000							24,82	46,95	10,00				610,28	200986,09	1529,29	1296,79	151931,11
461+0.000							21,97	46,79	10,00				608,27	200986,09	1529,29	1296,79	152539,38
461+17.079							13,93	35,90	8,54				398,51	200986,09	1529,29	1296,79	152937,89
462+0.000							13,73	27,66	1,46				52,52	200986,09	1529,29	1296,79	152990,41
462+10.000							14,05	27,78	5,00				180,61	200986,09	1529,29	1296,79	153171,02
463+0.000							12,94	26,99	5,00				175,44	200986,09	1529,29	1296,79	153346,46
463+10.000	0,10	0,10					9,46	22,40	5,00	0,51			146,66	200986,60	1529,29	1296,79	153493,12
464+0.000	0,93	1,03					6,52	15,98	5,00	5,11			105,05	200991,71	1529,29	1296,79	153598,17
464+10.000	2,92	3,85					14,45	20,97	5,00	19,02			138,60	201010,73	1529,29	1296,79	153736,77
465+0.000	5,63	8,55					15,79	30,24	5,00	42,22			201,29	201052,95	1529,29	1296,79	153938,06
465+10.000	16,42	22,05					3,02	18,81	5,00	108,64			126,05	201161,59	1529,29	1296,79	154064,11
465+17.079	27,62	44,04						3,02	3,54	153,47			14,39	201315,06	1529,29	1296,79	154078,50
466+0.000	31,69	59,31							1,46	85,38				201400,44	1529,29	1296,79	154078,50
466+10.000	25,00	56,69							5,00	279,44				201679,88	1529,29	1296,79	154078,50
467+0.000	21,93	46,93					0,02	0,02	5,00	230,98			0,10	201910,86	1529,29	1296,79	154078,60
467+10.000	9,26	31,19					2,11	2,13	5,00	153,37			14,30	202064,23	1529,29	1296,79	154092,90
467+12.612	6,98	16,24					2,98	5,09	1,31	21,21			8,64	202085,44	1529,29	1296,79	154101,54
468+0.000	2,40	9,38					4,82	7,80	3,69	34,01			38,67	202119,45	1529,29	1296,79	154140,21
468+10.000	4,28	6,68					6,57	11,39	5,00	32,59			76,56	202152,04	1529,29	1296,79	154216,77
469+0.000	6,96	11,24					4,41	10,98	5,00	54,74			73,82	202206,78	1529,29	1296,79	154290,59
469+8.144	10,98	17,94					3,01	7,42	4,07	71,37			40,38	202278,15	1529,29	1296,79	154330,97
469+10.000	12,06	23,04					2,97	5,98	0,93	21,37			7,21	202299,52	1529,29	1296,79	154338,18
470+0.000	18,39	30,45					0,94	3,91	5,00	150,05			26,06	202449,57	1529,29	1296,79	154364,24
470+10.000	26,03	44,42						0,94	5,00	220,20			6,25	202669,77	1529,29	1296,79	154370,49
471+0.000	32,69	58,72							5,00	292,23				202962,00	1529,29	1296,79	154370,49

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
471+10.000	21,82	54,51							5,00	271,83				203233,83	1529,29	1296,79	154370,49
472+0.000	9,98	31,80							5,00	158,68				203392,51	1529,29	1296,79	154370,49
472+10.000	1,13	11,11					1,08	1,08	5,00	55,42			7,07	203447,93	1529,29	1296,79	154377,56
473+0.000		1,13					9,74	10,82	5,00	5,64			70,34	203453,57	1529,29	1296,79	154447,90
473+8.144	2,42	2,42					0,25	9,99	4,07	9,86			52,91	203463,43	1529,29	1296,79	154500,81
473+12.430	8,15	10,57						0,25	2,14	22,66			0,70	203486,09	1529,29	1296,79	154501,51
474+0.000	20,06	28,21							3,78	106,79				203592,88	1529,29	1296,79	154501,51
474+10.000	21,00	41,06							5,00	205,31				203798,19	1529,29	1296,79	154501,51
475+0.000	11,86	32,86					0,22	0,22	5,00	165,11			1,44	203963,30	1529,29	1296,79	154502,95
475+10.000	0,19	12,05					17,02	17,24	5,00	60,74			110,04	204024,04	1529,29	1296,79	154612,99
476+0.000		0,19					37,82	54,84	5,00	0,95			352,27	204024,99	1529,29	1296,79	154965,26
476+10.000							41,66	79,48	5,00				514,27	204024,99	1529,29	1296,79	155479,53
476+12.430							41,89	83,55	1,22				131,89	204024,99	1529,29	1296,79	155611,42
477+0.000							38,06	79,95	3,78				394,83	204024,99	1529,29	1296,79	156006,25
477+10.000							36,58	74,64	5,00				488,29	204024,99	1529,29	1296,79	156494,54
478+0.000							36,16	72,74	5,00				474,81	204024,99	1529,29	1296,79	156969,35
478+0.640							36,24	72,40	0,32				30,13	204024,99	1529,29	1296,79	156999,48
478+10.000							36,40	72,64	4,68				442,96	204024,99	1529,29	1296,79	157442,44
479+0.000							36,75	73,15	5,00				476,09	204024,99	1529,29	1296,79	157918,53
479+8.850							31,64	68,39	4,43				394,08	204024,99	1529,29	1296,79	158312,61
479+10.000							30,79	62,43	0,57				46,66	204024,99	1529,29	1296,79	158359,27
480+0.000							24,00	54,79	5,00				356,73	204024,99	1529,29	1296,79	158716,00
480+10.000							18,73	42,73	5,00				277,67	204024,99	1529,29	1296,79	158993,67
481+0.000							14,59	33,32	5,00				216,13	204024,99	1529,29	1296,79	159209,80
481+10.000							14,22	28,81	5,00				186,75	204024,99	1529,29	1296,79	159396,55
482+0.000							13,98	28,20	5,00				183,00	204024,99	1529,29	1296,79	159579,55
482+8.850							17,49	31,47	4,43				181,04	204024,99	1529,29	1296,79	159760,59
483+0.000							18,83	36,32	5,57				263,21	204024,99	1529,29	1296,79	160023,80
484+0.000							22,33	41,16	10,00				534,99	204024,99	1529,29	1296,79	160558,79
485+0.000							21,94	44,27	10,00				575,42	204024,99	1529,29	1296,79	161134,21
486+0.000							23,25	45,19	10,00				587,36	204024,99	1529,29	1296,79	161721,57
487+0.000							21,53	44,78	10,00				582,08	204024,99	1529,29	1296,79	162303,65
488+0.000	0,10	0,10					22,74	44,27	10,00	1,04			575,46	204026,03	1529,29	1296,79	162879,11
489+0.000	0,06	0,16					23,18	45,92	10,00	1,61			596,91	204027,64	1529,29	1296,79	163476,02
489+4.699	0,10	0,16					22,87	46,05	2,35	0,37			140,65	204028,01	1529,29	1296,79	163616,67
489+10.000	0,25	0,35					23,08	45,95	2,65	0,94			158,35	204028,95	1529,29	1296,79	163775,02
490+0.000	0,99	1,24					22,86	45,94	5,00	6,09			301,35	204035,04	1529,29	1296,79	164076,37
490+10.000	3,42	4,41					20,81	43,67	5,00	21,44			290,21	204056,48	1529,29	1296,79	164366,58
490+14.699	5,58	9,00					18,96	39,77	2,35	20,37			125,82	204076,85	1529,29	1296,79	164492,40
491+0.000	7,61	13,19					16,48	35,44	2,65	33,62			127,01	204110,47	1529,29	1296,79	164619,41
491+10.000	11,05	18,66					12,92	29,40	5,00	89,91			199,33	204200,38	1529,29	1296,79	164818,74
491+12.133	12,26	23,31					11,54	24,46	1,07	23,98			35,55	204224,36	1529,29	1296,79	164854,29
492+0.000	19,00	31,26					4,68	16,22	3,93	118,93			87,25	204343,29	1529,29	1296,79	164941,54
492+9.568	21,93	40,93					4,88	9,56	4,78	189,85			63,02	204533,14	1529,29	1296,79	165004,56
492+10.000	21,98	43,91					4,82	9,70	0,22	9,48			2,72	204542,62	1529,29	1296,79	165007,28
493+0.000	18,09	40,07					11,20	16,02	5,00	195,30			108,29	204737,92	1529,29	1296,79	165115,57
493+10.000	10,76	28,85					12,15	23,35	5,00	141,91			154,78	204879,83	1529,29	1296,79	165270,35
493+19.568	4,26	15,02					11,96	24,11	4,78	71,82			149,93	204951,65	1529,29	1296,79	165420,28
494+0.000	4,32	8,58					11,95	23,91	0,22	1,85			6,72	204953,50	1529,29	1296,79	165427,00
494+1.125	3,47	7,79					11,98	23,93	0,56	4,38			17,51	204957,88	1529,29	1296,79	165444,51

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
494+10.000		3,47					14,42	26,40	4,44	15,41			152,32	204973,29	1529,29	1296,79	165596,83
495+0.000							18,71	33,13	5,00	0,01			214,61	204973,30	1529,29	1296,79	165811,44
495+10.000							26,59	45,30	5,00				294,66	204973,30	1529,29	1296,79	166106,10
496+0.000							33,62	60,21	5,00				394,26	204973,30	1529,29	1296,79	166500,36
496+1.125							28,73	62,35	0,56				45,61	204973,30	1529,29	1296,79	166545,97
496+10.000							18,64	47,37	4,44				275,25	204973,30	1529,29	1296,79	166821,22
497+0.000							11,57	30,21	5,00				198,29	204973,30	1529,29	1296,79	167019,51
497+10.000	0,10	0,10					4,33	15,90	5,00	0,50			105,35	204973,80	1529,29	1296,79	167124,86
497+12.336	0,43	0,53					3,16	7,49	1,17	0,60			11,72	204974,40	1529,29	1296,79	167136,58
498+0.000	2,51	2,94					0,67	3,83	3,83	10,99			19,71	204985,39	1529,29	1296,79	167156,29
498+10.000	3,12	5,63					0,15	0,82	5,00	27,67			5,53	205013,06	1529,29	1296,79	167161,82
499+0.000	4,34	7,46						0,15	5,00	36,98			1,01	205050,04	1529,29	1296,79	167162,83
499+3.547	3,74	8,08							1,77	14,26				205064,30	1529,29	1296,79	167162,83
499+10.000	2,19	5,93					0,01	0,01	3,23	19,08			0,06	205083,38	1529,29	1296,79	167162,89
500+0.000	0,17	2,36					0,40	0,41	5,00	11,83			2,64	205095,21	1529,29	1296,79	167165,53
500+10.000		0,17					4,30	4,70	5,00	0,88			30,54	205096,09	1529,29	1296,79	167196,07
501+0.000							6,16	10,46	5,00				67,95	205096,09	1529,29	1296,79	167264,02
501+3.547							6,37	12,53	1,77				28,87	205096,09	1529,29	1296,79	167292,89
501+17.233							7,92	14,29	6,84				127,10	205096,09	1529,29	1296,79	167419,99
502+0.000							8,46	16,38	1,38				29,46	205096,09	1529,29	1296,79	167449,45
502+10.000							8,82	17,28	5,00				112,44	205096,09	1529,29	1296,79	167561,89
503+0.000							8,27	17,09	5,00				111,75	205096,09	1529,29	1296,79	167673,64
503+7.233							7,38	15,65	3,62				74,64	205096,09	1529,29	1296,79	167748,28
503+10.000							7,64	15,02	1,38				27,51	205096,09	1529,29	1296,79	167775,79
504+0.000							9,50	17,14	5,00				113,38	205096,09	1529,29	1296,79	167889,17
504+4.916							9,09	18,59	2,46				60,49	205096,09	1529,29	1296,79	167949,66
504+10.000							8,53	17,62	2,54				59,37	205096,09	1529,29	1296,79	168009,03
505+0.000							7,04	15,57	5,00				103,45	205096,09	1529,29	1296,79	168112,48
505+2.599							6,71	13,75	1,30				23,81	205096,09	1529,29	1296,79	168136,29
505+10.000							6,06	12,77	3,70				62,67	205096,09	1529,29	1296,79	168198,96
506+0.000							5,52	11,58	5,00				75,97	205096,09	1529,29	1296,79	168274,93
506+10.000							3,70	9,22	5,00				60,10	205096,09	1529,29	1296,79	168335,03
506+12.599							3,23	6,93	1,30				11,71	205096,09	1529,29	1296,79	168346,74
507+0.000	0,01	0,01					1,88	5,11	3,70	0,03			24,61	205096,12	1529,29	1296,79	168371,35
508+0.000	0,78	0,79					1,48	3,36	10,00	7,89			43,80	205104,01	1529,29	1296,79	168415,15
509+0.000	0,12	0,90					2,32	3,80	10,00	8,96			49,40	205112,97	1529,29	1296,79	168464,55
510+0.000	0,05	0,17					3,80	6,12	10,00	1,62			79,45	205114,59	1529,29	1296,79	168544,00
511+0.000	0,01	0,06					8,05	11,85	10,00	0,59			153,94	205115,18	1529,29	1296,79	168697,94
512+0.000		0,01					9,54	17,59	10,00	0,13			228,59	205115,31	1529,29	1296,79	168926,53
513+0.000							9,24	18,78	10,00				244,17	205115,31	1529,29	1296,79	169170,70
513+19.942							10,49	19,73	9,97				255,83	205115,31	1529,29	1296,79	169426,53
514+0.000							10,50	20,99	0,03				0,79	205115,31	1529,29	1296,79	169427,32
514+10.000							10,02	20,52	5,00				133,40	205115,31	1529,29	1296,79	169560,72
515+0.000							9,55	19,57	5,00				127,17	205115,31	1529,29	1296,79	169687,89
515+10.000							5,78	15,33	5,00				99,55	205115,31	1529,29	1296,79	169787,44
516+0.000							2,48	8,26	5,00				53,39	205115,31	1529,29	1296,79	169840,83
516+10.000	1,52	1,52					0,57	3,05	5,00	7,69			19,49	205123,00	1529,29	1296,79	169860,32
516+19.942	3,31	4,83					0,04	0,61	4,97	24,27			3,82	205147,27	1529,29	1296,79	169864,14
517+0.000	3,32	6,63					0,04	0,08	0,03	0,19				205147,46	1529,29	1296,79	169864,14
517+10.000	1,99	5,31					0,10	0,14	5,00	26,85			0,88	205174,31	1529,29	1296,79	169865,02

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
518+0.000	0,46	2,45					0,84	0,94	5,00	12,44			5,97	205186,75	1529,29	1296,79	169870,99
518+9.795		0,46					1,87	2,71	4,90	2,32			16,91	205189,07	1529,29	1296,79	169887,90
518+10.000							1,91	3,78	0,10				0,50	205189,07	1529,29	1296,79	169888,40
519+0.000							3,71	5,62	5,00				35,86	205189,07	1529,29	1296,79	169924,26
519+10.000	0,40	0,40					5,14	8,85	5,00	2,02			56,14	205191,09	1529,29	1296,79	169980,40
519+19.648		0,40					16,51	21,65	4,82	1,95			135,61	205193,04	1529,29	1296,79	170116,01
520+0.000							16,75	33,26	0,18				7,62	205193,04	1529,29	1296,79	170123,63
520+10.000							19,84	36,59	5,00				238,91	205193,04	1529,29	1296,79	170362,54
521+0.000							23,92	43,76	5,00				285,17	205193,04	1529,29	1296,79	170647,71
521+10.000							25,37	49,29	5,00				321,67	205193,04	1529,29	1296,79	170969,38
522+0.000							27,60	52,97	5,00				346,08	205193,04	1529,29	1296,79	171315,46
522+10.000							29,77	57,37	5,00				373,98	205193,04	1529,29	1296,79	171689,44
522+19.648							34,37	64,14	4,82				402,22	205193,04	1529,29	1296,79	172091,66
523+0.000							34,66	69,03	0,18				15,81	205193,04	1529,29	1296,79	172107,47
524+0.000							33,25	67,91	10,00				882,87	205193,04	1529,29	1296,79	172990,34
524+8.912							35,97	69,22	4,46				400,98	205193,04	1529,29	1296,79	173391,32
524+10.000							36,58	72,55	0,54				51,31	205193,04	1529,29	1296,79	173442,63
525+0.000							41,92	78,50	5,00				510,45	205193,04	1529,29	1296,79	173953,08
525+10.000							45,12	87,04	5,00				566,68	205193,04	1529,29	1296,79	174519,76
526+0.000							47,68	92,80	5,00				605,65	205193,04	1529,29	1296,79	175125,41
526+8.912							49,51	97,19	4,46				567,41	205193,04	1529,29	1296,79	175692,82
526+10.000							49,54	99,05	0,54				70,06	205193,04	1529,29	1296,79	175762,88
527+0.000							46,51	96,05	5,00				628,84	205193,04	1529,29	1296,79	176391,72
527+10.000							44,28	90,79	5,00				591,51	205193,04	1529,29	1296,79	176983,23
527+14.292							44,43	88,71	2,15				247,61	205193,04	1529,29	1296,79	177230,84
528+0.000							43,88	88,31	2,85				327,47	205193,04	1529,29	1296,79	177558,31
528+10.000							38,60	82,48	5,00				533,65	205193,04	1529,29	1296,79	178091,96
528+19.673							34,96	73,56	4,84				457,92	205193,04	1529,29	1296,79	178549,88
529+0.000							34,64	69,60	0,16				14,79	205193,04	1529,29	1296,79	178564,67
529+10.000							27,00	61,64	5,00				396,60	205193,04	1529,29	1296,79	178961,27
530+0.000							22,72	49,72	5,00				320,62	205193,04	1529,29	1296,79	179281,89
530+10.000							21,51	44,23	5,00				285,91	205193,04	1529,29	1296,79	179567,80
530+19.673							21,32	42,83	4,84				269,31	205193,04	1529,29	1296,79	179837,11
531+0.000							21,33	42,65	0,16				9,06	205193,04	1529,29	1296,79	179846,17
532+0.000							24,17	45,50	10,00				591,51	205193,04	1529,29	1296,79	180437,68
533+0.000							24,07	48,24	10,00				627,20	205193,04	1529,29	1296,79	181064,88
534+0.000							13,34	37,41	10,00				486,31	205193,04	1529,29	1296,79	181551,19
535+0.000	0,92	0,92					5,75	19,09	10,00	9,22			248,16	205202,26	1529,29	1296,79	181799,35
536+0.000	3,17	4,09					5,25	11,00	10,00	40,89			143,01	205243,15	1529,29	1296,79	181942,36
537+0.000	1,85	5,02					7,61	12,86	10,00	50,22			167,21	205293,37	1529,29	1296,79	182109,57
538+0.000		1,85					10,76	18,37	10,00	18,55			238,89	205311,92	1529,29	1296,79	182348,46
539+0.000							11,36	22,12	10,00				287,58	205311,92	1529,29	1296,79	182636,04
539+17.613							11,54	22,90	8,81				262,18	205311,92	1529,29	1296,79	182898,22
540+0.000							11,79	23,33	1,19				36,21	205311,92	1529,29	1296,79	182934,43
540+10.000							9,66	21,45	5,00				139,42	205311,92	1529,29	1296,79	183073,85
541+0.000							9,58	19,24	5,00				125,02	205311,92	1529,29	1296,79	183198,87
541+7.613							9,02	18,60	3,81				92,01	205311,92	1529,29	1296,79	183290,88
541+10.000							8,87	17,89	1,19				27,75	205311,92	1529,29	1296,79	183318,63
542+0.000	0,10	0,10					8,29	17,16	5,00	0,53			112,16	205312,45	1529,29	1296,79	183430,79
542+1.732	0,06	0,16					7,89	16,18	0,87	0,14			18,22	205312,59	1529,29	1296,79	183449,01

Cálculo de Volumes																	
Rodovia: Municipal TRECHO 4.5 - MONTE BELO - CERUDE - CAETÉS (ES-297)																	
Estaca	Áreas								Semi-distância	Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro			Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma		1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
542+10.000	0,13	0,19					7,35	15,24	4,13	0,75			82,39	205313,34	1529,29	1296,79	183531,40
542+15.851	0,18	0,31					7,27	14,62	2,93	0,90			55,61	205314,24	1529,29	1296,79	183587,01
543+0.000	0,19	0,37					6,79	14,06	2,07	0,77			37,92	205315,01	1529,29	1296,79	183624,93
543+10.000	0,19	0,38					4,70	11,49	5,00	1,86			74,68	205316,87	1529,29	1296,79	183699,61
544+0.000	0,60	0,79					3,28	7,98	5,00	3,93			51,86	205320,80	1529,29	1296,79	183751,47
544+5.851	0,28	0,88					2,00	5,28	2,93	2,59			20,10	205323,39	1529,29	1296,79	183771,57
545+0.000	0,68	0,96					1,48	3,48	7,07	6,79			32,00	205330,18	1529,29	1296,79	183803,57
546+0.000	0,67	1,35					3,82	5,30	10,00	13,42			68,83	205343,60	1529,29	1296,79	183872,40
547+0.000		0,67					7,99	11,81	10,00	6,67			153,48	205350,27	1529,29	1296,79	184025,88
547+10.747							10,37	18,36	5,37				128,27	205350,27	1529,29	1296,79	184154,15
548+0.000							11,93	22,30	4,63				134,17	205350,27	1529,29	1296,79	184288,32
548+10.000							11,24	23,17	5,00				150,47	205350,27	1529,29	1296,79	184438,79
549+0.000							13,30	24,54	5,00				159,76	205350,27	1529,29	1296,79	184598,55
549+0.747							15,04	28,34	0,37				13,76	205350,27	1529,29	1296,79	184612,31
549+10.000							14,13	29,17	4,63				175,29	205350,27	1529,29	1296,79	184787,60
549+16.002							14,46	28,59	3,00				111,44	205350,27	1529,29	1296,79	184899,04
550+0.000							15,34	29,80	2,00				77,40	205350,27	1529,29	1296,79	184976,44
550+10.000							14,95	30,29	5,00				196,84	205350,27	1529,29	1296,79	185173,28
550+11.256							15,04	29,99	0,63				24,49	205350,27	1529,29	1296,79	185197,77
551+0.000							15,91	30,95	4,37				176,03	205350,27	1529,29	1296,79	185373,80
551+10.000							13,05	28,96	5,00				188,26	205350,27	1529,29	1296,79	185562,06
552+0.000							11,81	24,86	5,00				161,59	205350,27	1529,29	1296,79	185723,65
552+1.256							11,89	23,70	0,63				19,36	205350,27	1529,29	1296,79	185743,01
553+0.000							9,30	21,19	9,37				258,24	205350,27	1529,29	1296,79	186001,25
554+0.000							12,42	21,72	10,00				282,36	205350,27	1529,29	1296,79	186283,61
554+0.695							12,17	24,59	0,35				11,10	205350,27	1529,29	1296,79	186294,71
554+10.000							12,88	25,05	4,65				151,50	205350,27	1529,29	1296,79	186446,21
555+0.000							14,47	27,35	5,00				177,74	205350,27	1529,29	1296,79	186623,95
555+10.000							12,45	26,92	5,00				175,09	205350,27	1529,29	1296,79	186799,04
556+0.000							12,47	24,92	5,00				162,24	205350,27	1529,29	1296,79	186961,28
556+10.000							10,93	23,40	5,00				152,53	205350,27	1529,29	1296,79	187113,81
557+0.000							11,69	22,62	5,00				147,67	205350,27	1529,29	1296,79	187261,48
557+10.000							9,50	21,19	5,00				138,94	205350,27	1529,29	1296,79	187400,42
557+10.695							9,37	18,87	0,35				8,52	205350,27	1529,29	1296,79	187408,94
558+0.000							8,49	17,86	4,65				109,52	205350,27	1529,29	1296,79	187518,46
558+10.000	0,92	0,92					5,57	14,06	5,00	4,49			93,42	205354,76	1529,29	1296,79	187611,88
559+0.000	3,63	4,55					3,92	9,49	5,00	22,27			63,69	205377,03	1529,29	1296,79	187675,57
559+10.000	5,77	9,40					0,50	4,42	5,00	46,12			29,76	205423,15	1529,29	1296,79	187705,33
559+19.340	6,17	11,94					0,86	1,36	4,67	54,76			8,58	205477,91	1529,29	1296,79	187713,91
560+0.000	6,08	12,25					0,81	1,67	0,33	4,04			0,72	205481,95	1529,29	1296,79	187714,63
560+10.000	9,81	15,89						0,81	5,00	78,39			5,49	205560,34	1529,29	1296,79	187720,12
561+0.000	9,20	19,01					0,02	0,02	5,00	94,00			0,15	205654,34	1529,29	1296,79	187720,27
561+10.000	9,90	19,10						0,02	5,00	94,45			0,14	205748,79	1529,29	1296,79	187720,41
562+0.000	6,19	16,09					0,09	0,09	5,00	79,35			0,63	205828,14	1529,29	1296,79	187721,04
562+7.985	2,47	8,66					0,29	0,38	3,99	33,84			2,03	205861,98	1529,29	1296,79	187723,07
562+10.000	1,55	4,02					0,35	0,64	1,01	4,05			0,83	205866,03	1529,29	1296,79	187723,90
563+0.000	0,29	1,84					1,93	2,28	5,00	9,04			14,82	205875,07	1529,29	1296,79	187738,72
563+10.000	0,46	0,75					4,97	6,90	5,00	3,69			45,24	205878,76	1529,29	1296,79	187783,96
564+0.000		0,46					10,52	15,49	5,00	2,23			101,01	205880,99	1529,29	1296,79	187884,97
564+10.000							12,05	22,57	5,00				146,84	205880,99	1529,29	1296,79	188031,81

3.2 INTERSEÇÃO DE ACESSO A CAJU – ESTACA 455+0,00

Cálculo de Volumes																
Rodovia: Municipal TRECHO 4.5 - IT-01																
Estaca	Áreas								Volumes							
	Corte - 1ª Cat.		Corte - 2ª Cat.		Corte - 3ª Cat.		Aterro		Parcial				Acumulado			
	Parcial	Soma	Parcial	Soma	Parcial	Soma	Parcial	Soma	1ª Cat.	2ª Cat.	3ª Cat.	Aterro	1ª Cat.	2ª Cat.	3ª Cat.	Aterro
Eixo 3.3																
757+0.000	2,38						3,44									
758+0.000		2,38					22,88	26,32	23,76			342,14	23,76			342,14
759+0.000							22,88					297,38	23,76			639,52
760+0.000													23,76			639,52
760+2.053													23,76			639,52
Ramo A																
0+0.000							16,49	16,49					23,76			639,52
0+0.001							16,49	32,98				0,01	23,76			639,53
0+10.000							21,08	54,06				245,49	23,76			885,02
1+0.000							42,44	96,50				452,61	23,76			1337,63
1+5.600							62,28	158,78				451,95	23,76			1789,58
1+10.000							52,95	211,73				397,65	23,76			2187,23
2+0.000							17,87	229,60				530,13	23,76			2717,36
2+10.000							12,04	241,64				197,35	23,76			2914,71
2+11.200							11,79	253,43				18,25	23,76			2932,96
2+11.201							11,79	265,22				0,01	23,76			2932,97
Ramo B																
0+0.000							11,33	11,33					23,76			2932,97
0+9.024							11,92	23,25				136,42	23,76			3069,39
1+0.000							12,12	35,37				15,07	23,76			3084,46
1+0.000							12,59	47,96				163,18	23,76			3247,64
1+10.000							34,58	82,54				361,13	23,76			3608,77
1+10.548							31,84	114,38				28,82	23,76			3637,59
2+0.000							14,44	128,82				329,81	23,76			3967,40
2+10.000							9,87	138,69				163,32	23,76			4130,72
2+12.071							9,67	148,36				26,56	23,76			4157,28
2+12.071							9,67	158,03					23,76			4157,28
VOLUME CORTE 1ª CATEGORIA = 23.76 m ³																
VOLUME CORTE 2ª CATEGORIA = 0 m ³																
VOLUME CORTE 3ª CATEGORIA = 0 m ³																
VOLUME DE ATERRO = 4.157.28 m ³																

4. TERMO DE ENCERRAMENTO

4. TERMO DE ENCERRAMENTO

Este VOLUME 3D – NOTAS DE SERVIÇO E CÁLCULO DE VOLUMES referente ao LOTE 4, TRECHO 4.5: MONTE BELO – CERUDE – CAETÉS (ES-297), possui 89 (oitenta e nove) folhas, incluindo esta, numericamente ordenadas.

Belo Horizonte, 31 de julho de 2015.