

DOCUMENTOS DE REFERÊNCIA

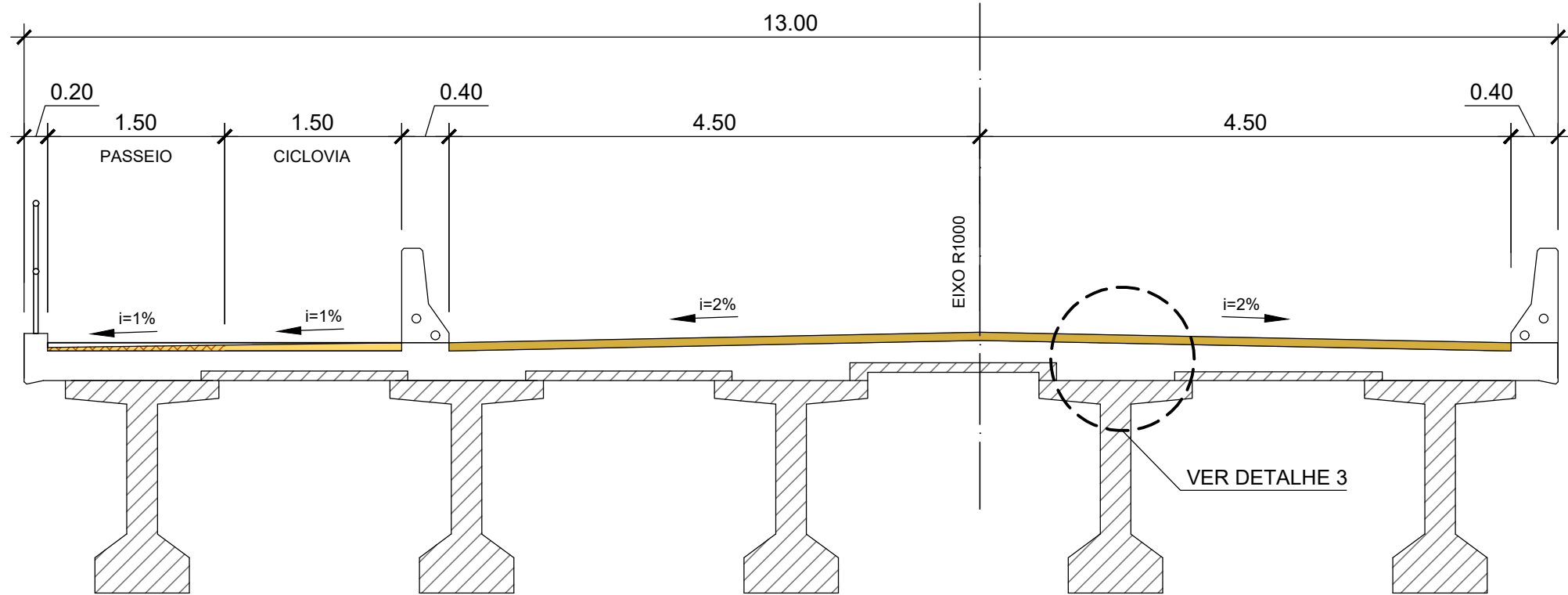
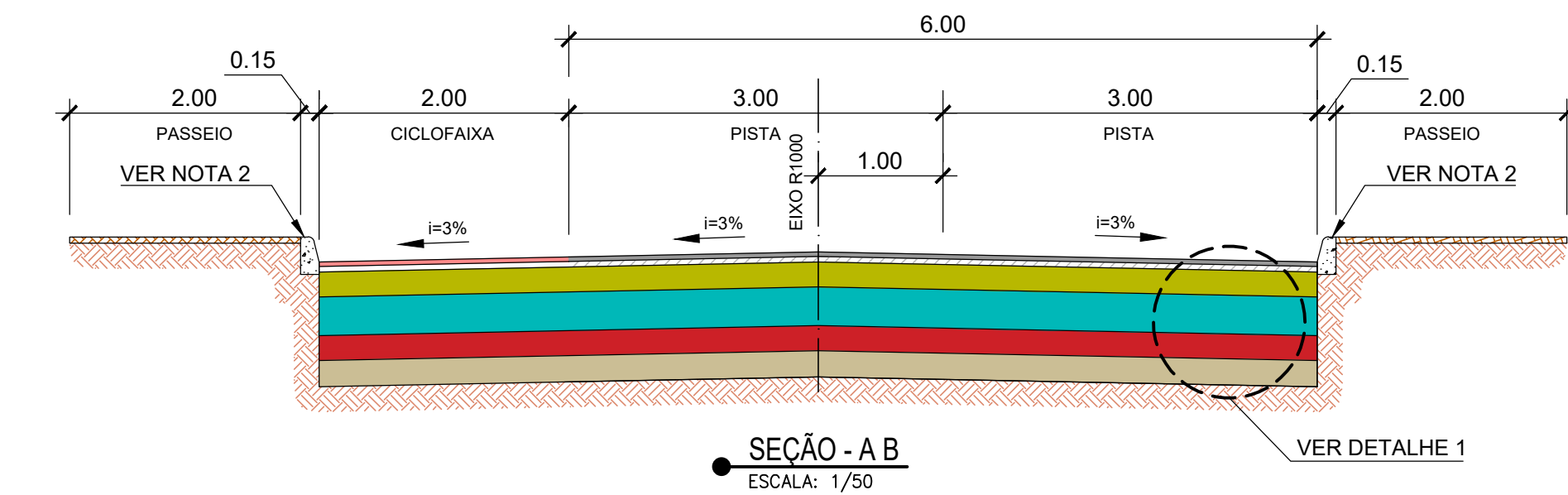
1. I-OAESV-T-R7/16-01-iv - LEVANTAMENTO TOPOGRÁFICO PLANIALTIMÉTRICO CADASTRAL.
2. PONTE JOINVILLE - ANTEPROJETO - IPPUJ - SETEMBRO 2014.
3. I-OAESV-X-R0/16-01-iv AO I-OAESV-X-R0/16-13-iv - PROJETO EXECUTIVO - PROJETO GEOMÉTRICO - PLANTA E PERFIL.
4. I-OAESV-X-R0/16-55-iv AO I-OAESV-X-R0/16-59-iv - PROJETO EXECUTIVO - PROJETO DE PAVIMENTAÇÃO - PLANTA.

NOTAS GERAIS

1. MEDIDAS E COTAS EM METRO, SALVO INDICAÇÃO EM CONTRÁRIO.
2. ESTACAS A CADA 20,00m.
3. PARA DETALHES, SEÇÃO TIPO DOS PAVIMENTOS E QUANTITATIVOS VER: I-OAESV-G-R3/16-35-iv.
4. A REGULARIZAÇÃO DO SUBLEITO SERÁ EXECUTADA SEGUNDO A NORMA DNIT 127/2010 – ES.
5. A SUB-BASE EM BICA CORRIDA SERÁ EXECUTADA SEGUNDO A NORMA ET-DE-P00-10 (DER-SP).
6. A SUB-BASE EM AREIA ADENSADA SERÁ EXECUTADA SEGUNDO A ESPECIFICAÇÃO PARTICULAR EP-P-01.
7. A BASE EM BRITA GRADUADA MELHORADA COM CIMENTO SERÁ EXECUTADA COM ADIÇÃO DE 1,5% DE CIMENTO PORTLAND, EM PESO, SEGUNDO A ESPECIFICAÇÃO PARTICULAR EP-P-03.
8. A BASE DE BRITA GRADUADA SERÁ EXECUTADA SEGUNDO A NORMA DNIT 141/2010 – ES.
9. A IMPRIMAÇÃO SERÁ EXECUTADA SEGUNDO A NORMA DNIT 144/2010 – ES.
10. A PINTURA DE LIGAÇÃO SERÁ EXECUTADA SEGUNDO A NORMA DNIT 145/2012 – ES.
11. O CBUQ SERÁ EXECUTADO SEGUNDO A NORMA 031/2006 – ES.
12. NOS SEGMENTOS ONDE SE CONSTATAR SOLOS COM EXPANSÃO > 2%, O MESMO SERÁ SUBSTITUÍDO NA ESPESSURA DE 20,0CM, POR SOLO QUE APRESENTE EXPANSÃO ≤ 2% E ISC ≥ 3%.
13. A CAPA DE ROLAMENTO DA PONTE SERÁ EXECUTADA EM CBUQ, NA FAIXA GRANULOMÉTRICA 'C' DO DNIT, CONFORME ESTABELECIDO NA NORMA DNIT 031/2006 - ES, COM ESPESSURA CONSTANTE DE 7,0 cm.

LEGENDAS

- PAVIMENTO TIPO 1 - CBUQ 'C' (H= 3,5 cm)
- PAVIMENTO TIPO 2 - CBUQ 'C' (H= 3,5 cm)
- PAVIMENTO TIPO 3 - CBUQ 'C' (H= 7,0 cm)
- CBUQ FX. "B" (H= 4,0 cm)
- BASE - BGMC (H= 20,0 cm)
- SUB-BASE 1 - BICA CORRIDA ESP. 31,0 cm
- SUB-BASE 2 - AREIA ADENSADA ESP. 20,0 cm
- REGULARIZAÇÃO DE SUBLEITO
- CICLOFAIXA - CBUQ 'C'
- TERRENO
- ATERRO
- PASSEIO
- GRAMA



NOTA DE SERVIÇO RAMO 1000 (EST. 1000 A 1071)																			
Estaca	Lado Esquerdo						Eixo						Lado Direito						
	Distância	Cota	%	Distância	Cota	%	Distância	Cota	Projeto	Vermelha	Distância	Cota	%	Distância	Cota	%	Distância	Cota	%
1000+0,00																			
1001+0,00	5,982	7,970	2,000	3,982	7,930	3,795	-3,000	8,002	8,111	-0,109	5,797	7,937	-3,000	5,797	8,087	2,000	7,797	8,127	2,000
1002+0,00	6,169	7,787	2,000	4,169	7,747	4,169	-3,000	7,683	7,722	-0,039	3,848	7,607	-3,000	3,848	7,757	2,000	5,848	7,797	2,000
1003+0,00	6,356	7,854	2,000	4,356	7,814	4,356	-3,000	7,851	7,795	0,056	3,655	7,685	-3,000	3,655	7,835	2,000	5,655	7,875	2,000
1004+0,00	6,544	8,209	2,000	4,544	8,169	4,544	-3,000	8,063	8,155	-0,092	3,462	8,051	-3,000	3,462	8,201	2,000	5,462	8,241	2,000
1005+0,00	6,731	8,848	2,000	4,731	8,808	4,731	-3,000	8,875	8,800	0,075	3,269	8,702	-3,000	3,269	8,852	2,000	5,269	8,892	2,000
1006+0,00																			
1007+0,00	6,000	10,983	2,000	4,000	10,943	4,000	-3,000	10,580	10,913	-0,333	4,000	10,793	-3,000	4,000	10,943	2,000	6,000	10,983	2,000
1008+0,00	6,000	12,200	2,000	4,000	12,160	4,000	-3,000	12,008	12,130	-0,122	4,000	12,010	-3,000	4,000	12,160	2,000	6,000	12,200	2,000
1009+0,00	6,000	13,418	2,000	4,000	13,378	4,000	-3,000	13,299	13,348	-0,049	4,000	13,278	-3,000	4,000	13,378	2,000	6,000	13,418	2,000
1010+0,00	6,000	14,031	2,000	4,000	13,991	4,000	-3,000	13,923	13,961	-0,038	4,000	13,841	-3,000	4,000	13,991	2,000	6,000	14,031	2,000
1011+0,00	6,000	13,977	2,000	4,000	13,937	4,000	-3,000	13,681	13,907	-0,226	4,000	13,787	-3,000	4,000	13,937	2,000	6,000	13,977	2,000
1012+0,00	6,000	12,740	2,000	4,000	12,700	4,000	-3,000	12,464	12,670	-0,206	4,000	12,550	-3,000	4,000	12,700	2,000	6,000	12,740	2,000
1013+0,00	6,000	11,018	2,000	4,000	10,978	4,000	-3,000	10,779	10,948	-0,169	4,000	10,828	-3,000	4,000	10,978	2,000	6,000	11,018	2,000
1014+0,00	6,000	9,297	2,000	4,000	9,257	4,000	-3,000	9,061	9,227	-0,166	4,000	9,107	-3,000	4,000	9,257	2,000	6,000	9,297	2,000
1015+0,00	6,000	7,575	2,000	4,000	7,535	4,000	-3,000	7,478	7,505	-0,027	4,000	7,385	-3,000	4,000	7,535	2,000	6,000	7,575	2,000
1016+0,00	6,000	5,996	2,000	4,000	5,956	4,000	-3,000	5,807	5,926	-0,119	4,000	5,806	-3,000	4,000	5,956	2,000	6,000	5,996	2,000
1017+0,00	6,000	4,865	2,000	4,000	4,825	4,000	-3,000	4,502	4,795	-0,293	4,000	4,675	-3,000	4,000	4,825	2,000	6,000	4,865	2,000
1018+0,00	6,000	4,190	2,000	4,000	4,150	4,000	-3,000	4,085	4,120	-0,035	4,000	4,000	-3,000	4,000	4,150	2,000	6,000	4,190	2,000
1019+0,00	6,000	3,830	2,000	4,000	3,790	4,000	-3,000	3,714	3,760	-0,046	4,000	3,640	-3,000	4,000	3,790	2,000	6,000	3,830	2,000
1020+0,00	6,000	3,480	2,000	4,000	3,440	4,000	-3,000	3,430	3,410	-0,020	4,000	3,290	-3,000	4,000	3,440	2,000	6,000	3,480	2,000
1021+0,00	6,000	3,131	2,000	4,000	3,091	4,000	-3,000	3,056	3,061	-0,005	4,000	2,941	-3,000	4,000	3,091	2,000	6,000	3,131	2,000
1022+0,00	6,000	2,795	2,000	4,000	2,755	4,000	-3,000	2,759	2,725	-0,034	4,000	2,605	-3,000	4,000	2,755	2,000	6,000	2,795	2,000
1023+0,00	6,000																		
1024+0,00	6,000	2,437	2,000	4,000	2,397	4,000	-3,000	2,359	2,367	-0,172	4,000	2,247	-3,000	4,000	2,397	2,000	6,000	2,437	2,000
1025+0,00	6,000	2,415	2,000	4,000	2,375	4,000	-3,000	2,312	2,345	-0,167	4,000	2,225	-3,000	4,000	2,375	2,000	6,000	2,415	2,000
1026+0,00	6,000	2,406	2,000	4,000	2,366	4,000	-3,000	2,439	2,336	-0,103	4,000	2,216	-3,000	4,000	2,366	2,000	6,000	2,406	2,000
1027+0,00	6,000	2,398	2,000	4,000	2,358	4,000	-3,000	2,456	2,328	-0,128	4,000	2,208	-3,000	4,000	2,358	2,000	6,000	2,398	2,000
1028+0,00	6,000	2,390	2,000	4,000	2,350	4,000	-3,000	2,499	2,320	-0,179	4,000	2,200	-3,000	4,000	2,350	2,000	6,000	2,390	2,000
1029+0,00	6,000	2,382	2,000	4,000	2,342	4,000	-3,000	2,384	2,312	-0,072	4,000	2,192	-3,000	4,000	2,342	2,000	6,000	2,382	2,000
1030+0,00	6,000	2,373	2,000	4,000	2,333	4,000	-3,000	2,327	2,293	-0,034	4,000	2,183	-3,000	4,000	2,333	2,000	6,000	2,373	2,000
1031+0,00	6,000	2,365	2,000	4,000	2,325	4,000	-3,000	2,332	2,295	-0,037	4,000	2,175	-3,000	4,000	2,325	2,000	6,000	2,365	2,000
1032+0,00	6,000	2,357	2,000	4,000	2,317	4,000	-3,000	2,292	2,287	-0,005	4,000	2,167	-3,000	4,000	2,317	2,000	6,000	2,357	2,000
1033+0,00	6,000	2,349	2,000	4,000	2,309	4,000	-3,000	2,272	2,279	-0,007	4,000	2,159	-3,000	4,000	2,309	2,000	6,000	2,349	2,000
1034+0,00	6,000	2,340	2,000	4,000	2,300	4,000	-3,000	2,218	2,270	-0,052	4,000	2,150	-3,000	4,000	2,300	2,000	6,000	2,340	2,000
1035+0,00	6,000	2,332	2,000	4,000	2,292	4,000	-3,000	2,224	2,262	-0,038	4,000	2,142	-3,000	4,000	2,292	2,000	6,000	2,332	2,000
1036+0,00	6,000	2,324	2,000	4,000	2,284	4,000	-3,000	2,192	2,254	-0,062	4,000	2,134	-3,000	4,000	2,284	2,000	6,000	2,324	2,000
1037+0,00	6,000	2,316	2,000	4,000	2,276	4,000	-3,000	2,118	2,246	-0,128	4,000	2,126	-3,000	4,000	2,276	2,000	6,000	2,316	2,000
1038+0,00	6,000	2,307	2,000	4,000	2,267	4,000	-3,000	1,960	2,237	-0,277	4,000	2,121	-3,000	4,000	2,267	2,000	6,000	2,307	2,000
1039+0,00	6,000	2,299	2,000	4,000	2,259	4,000	-3,000	1,996	2,229	-0,233	4,000	2,109	-3,000	4,000	2,259	2,000	6,000	2,299	2,000
1040+0,00	6,000	2,291	2,000	4,000	2,251	4,000	-3,000	1,962	2,221	-0,259	4,000	2,101	-3,000	4,000	2,251	2,000	6,000	2,291	2,000
1041+0,00	6,000	2,283	2,000	4,000	2,243	4,000	-3,000	1,920	2,213	-0,293	4,000	2,093	-3,000	4,000	2,243	2,000	6,000	2,283	2,000
1042+0,00	6,000	2,274	2,000	4,000	2,234	4,000	-3,000	1,892	2,204	-0,312	4,000	2,084	-3,000	4,000	2,234	2,000	6,000	2,274	2,000
1043+0,00	6,000	2,266	2,000	4,000	2,226	4,000	-3,000	1,850	2,196	-0,346	4,000	2,076	-3,000	4,000	2,226	2,000	6,000	2,266	2,000
1044+0,00	6,000	2,258	2,000	4,000	2,218	4,000	-3,000	1,817	2,188	-0,371	4,000	2,068	-3,000	4,000	2,218	2,000	6,000	2,258	2,000
1045+0,00	6,000	2,250	2,000	4,000	2,210	4,000	-3,000	1,795	2,180	-0,385	4,000	2,060	-3,000	4,000	2,210	2,000	6,000	2,250	2,000
1046+0,00	6,000																		
1047+0,00	6,000	2,233	2,000	4,000	2,193	4,000	-3,000	1,766	2,163	-0,397	4,000	2,043	-3,000	4,000	2,193	2,000	6,000	2,233	2,000
1048+0,00	6,000	2,225	2,000	4,000	2,185	4,000	-3,000	1,846	2,155	-0,309	4,000	2,035	-3,000	4,000	2,185	2,000	6,000	2,225	2,000
1049+0,00	6,000	2,217	2,000	4,000	2,177	4,000	-3,000	1,863	2,147	-0,284	4,000	2,027	-3,000	4,000	2,177	2,000	6,000	2,217	2,000
1050+0,00	6,000	2,208	2,000	4,000	2,168	4,000	-3,000	1,868	2,138	-0,270	4,000	2,018	-3,000	4,000	2,168	2,000	6,000	2,208	2,000
1051+0,00	6,000	2,200	2,000	4,000	2,160	4,000	-3,000	1,873	2,130	-0,257	4,000	2,010	-3,000	4,000	2,160	2,000	6,000	2,200	2,000
1052+0,00	6,000	2,192	2,000	4,000	2,152	4,000	-3,000	1,915	2,122	-0,207	4,000	2,002	-3,000	4,000	2,152	2,000	6,000	2,192	2,000
1053+0,00	6,000	2,184	2,000	4,000	2,144	4,000	-3,000	1,924	2,114	-0,224	4,000	1,996	-3,000	4,000	2,144	2,000	6,000	2,184	2,000
1054+0,00	6,000																		
1055+0,00	6,000	2,167	2,000	4,000	2,127	4,000	-3,000	1,897	2,097	-0,200	4,000	1,977	-3,000	4,000	2,127	2,000	6,000	2,167	2,000
1056+0,00	6,000	2,159	2,000	4,000	2,119	4,000	-3,000	1,846	2,089	-0,243	4,000	1,969	-3,000	4,000	2,119	2,000	6,000	2,159	2,000
1057+0,00	6,000	2,151	2,000	4,000	2,111	4,000	-3,000	1,972	2,081	-0,109	4,000	1,961	-3,000	4,000	2,111	2,000	6,000	2,151	2,000
1058+0,00	6,000	2,142	2,000	4,000	2,102	4,000	-3,000	1,910	2,072	-0,162	4,000	1,952	-3,000	4,000	2,102	2,000	6,000	2,142	2,000
1059+0,00	6,000	2,134	2,000	4,000	2,094	4,000	-3,000	1,983	2,064	-0,081	4,000	1,944	-3,000	4,000	2,094	2,000	6,000	2,134	2,000
1060+0,00	6,000	2,126	2,000	4,000	2,086	4,000	-3,000	1,996	2,054	-0,058	4,000	1,936	-3,000	4,000	2,086	2,000	6,000	2,126	