

COMMITTENTE:



ALTA
SORVEGLIANZA:



GENERAL CONTRACTOR:



**INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA
LEGGE OBIETTIVO N. 443/01
LINEA A.V. /A.C. TORINO – VENEZIA Tratta MILANO – VERONA
Lotto Funzionale Brescia-Verona
PROGETTO DEFINITIVO - LINEA PRIMARIA AT 132kV ST/DT
SOSTEGNO TIPO "TE* SOTTOPASSO" S.T. CON FASI ORIZZONTALI -FONDAZIONI (UNIFICATE ENEL) TIPO "CR" & "CS" - TABELLE DI
CORRISPONDENZA TRA : TIPO TERRENO / TIPO FONDAZIONE**

GENERAL CONTRACTOR		ITALFERR	SCALA: -
IL PROGETTISTA INTEGRATORE saipem spa Tommaso Saranta Dottore in Ingegneria Civile iscritto all'albo degli Ingegneri della Provincia di Milano al n. 4234/01 - Sez. A - Settori: a) civile e ambientale b) industriale c) dell'informazione Tel. 02.52020351 Fax 02.52020309 e-mail: 100527901@saipem.it	Consorzio Project Director (Ing. F. Lombardi)		
Data:		Data:	

COMMESSA LOTTO FASE ENTE TIPO DOC. OPERA/DISCIPLINA Progr. REV. FOGLIO

I N 0 5 0 0 D E 2 S P L P 0 0 0 0 K 0 2 A 0 0 1 DI 0 0 4

	VISTO CONSORZIO SATURNO	
	Firma	Data
		18-04-2014

Progettazione :

Rev	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	IL PROGETTISTA
A	EMISSIONE	A.GEFFRI	18-04-14	M.DONNARUMMA	18-04-14	N.MANTA	18-04-14	 Data: 18-04-2014
B								
C								

SAIPEM S.p.A. COMM. 194900 n. Elab.: -

File: IN0500DE2SPLP0000K02A.DOC

Cod. origine: -



Progetto cofinanziato
dalla Unione Europea

CUP: F81H9100000008

GENERAL CONTRACTOR

Cepav due

Consorzio ENI per l'Alta Velocità



CONSORZIO
SATURNO

ALTA SORVEGLIANZA



Doc. N. IN0500DE2SPLP0000K02A.DOC

Progetto
IN05

Lotto
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Codifica Documento
DE2SPLP0000K02

Rev.
A

Foglio
2 di 4

DIREZIONE DELLA DISTRIBUZIONE - VICE DIREZIONE TECNICA - UNITA' UNIFICAZIONE IMPIANTI E METODI DI LAVORO

UNIFICAZIONE		LINEE A 132 + 150 kV A SEMPLICE TERNA CON CONDUTTORI ALL - ACC Ø 31.5 mm A TIRO PIENO		DF 1814	
ENEL		FONDAZIONI PER SOSTEGNI A TRALICCIO DI TIPO TE*		Dicembre 1994	
				Ed. 1 - 1/3	
SOSTEGNI UNIFICATI 132/150 KV TIPO TE* (SOTTOPASSO)					
T I P O D I T E R R E N O					
P = 4.0 kg/cm2		P = 2.0 kg/cm2		P = 1.0 kg/cm2	
alfa = 30		alfa = 20		alfa = 20	
Quota falda freatica		Quota falda freatica		Quota falda freatica	
(*) -1.5 -0.5 0.0		(*) -1.5 -0.5 0.0		(*) -1.5 -0.5 0.0	
TE* 33	87.5 98.0	CR	104/320 105/320 106/280 106/290 106/290 106/290 106/290	207/180 207/180 207/180 207/180	207/180 207/180 207/180 207/180
		col	288/50 288/50 288/45 288/46 288/46 288/46 288/46	288/57 288/57 288/57 288/57	288/57 288/57 288/57 288/57
		vc	4.54 6.36 8.54 8.58	8.58 8.58 8.58 8.58	15.18 15.18 15.18 15.18
		vs	20.00 26.91 30.49 31.58	31.58 31.58 31.58 31.58	48.67 48.67 48.67 48.67
		pf	189 201 177 180	180 180 180 180	665 665 665 665
		CS	202/290 202/290 203/280 203/290	203/290 203/290 203/290 203/290	207/180 207/180 207/180 207/180
		col	288/49 288/49 288/48 288/49	288/49 288/49 288/49 288/49	288/57 288/57 288/57 288/57
		vc	5.14 5.14 6.02 6.06	6.06 6.06 6.06 6.06	15.18 15.18 15.18 15.18
		vs	26.10 26.10 31.42 32.55	32.55 32.55 32.55 32.55	48.67 48.67 48.67 48.67
		pf	271 271 377 381	381 381 381 381	665 665 665 665
		CR	105/290 105/320 106/280 106/290	106/320 106/320 106/320 106/320	206/230 206/230 206/230 206/230
TE* 30	88.3 92.0	col	288/46 288/47 288/40 288/41	288/47 288/47 288/47 288/47	288/59 288/59 288/59 288/59
		vc	6.24 6.36 8.54 8.58	8.70 8.70 8.70 8.70	10.88 10.88 10.88 10.88
		vs	24.39 26.91 30.49 31.58	34.85 34.85 34.85 34.85	37.73 37.73 37.73 37.73
		pf	168 177 164 166	189 189 189 189	332 332 332 332
		CS	202/290 202/290 203/280 203/290	203/290 203/290 203/290 203/290	206/230 206/230 206/230 206/230
		col	288/49 288/49 288/45 288/46	288/46 288/46 288/46 288/46	288/59 288/59 288/59 288/59
		vc	5.14 5.14 6.02 6.06	6.06 6.06 6.06 6.06	10.88 10.88 10.88 10.88
		vs	26.10 26.10 31.42 32.55	32.55 32.55 32.55 32.55	37.73 37.73 37.73 37.73
		pf	271 271 357 359	359 359 359 359	332 332 332 332
		CR	104/320 105/290 106/280 106/290	106/290 106/290 106/290 106/290	206/230 206/230 206/230 206/230
TE* 27	86.7 90.2	col	288/47 288/41 288/40 288/41	288/41 288/41 288/41 288/41	288/59 288/59 288/59 288/59
		vc	4.54 6.24 8.54 8.58	8.58 8.58 8.58 8.58	10.88 10.88 10.88 10.88
		vs	20.00 24.39 30.49 31.58	31.58 31.58 31.58 31.58	37.73 37.73 37.73 37.73
		pf	166 154 164 166	166 166 166 166	332 332 332 332
		CS	202/280 202/280 203/280 203/290	203/290 203/290 203/290 203/290	206/230 206/230 206/230 206/230
		col	288/45 288/45 288/45 288/46	288/46 288/46 288/46 288/46	288/59 288/59 288/59 288/59
		vc	5.10 5.10 6.02 6.06	6.06 6.06 6.06 6.06	10.88 10.88 10.88 10.88
		vs	25.20 25.20 31.42 32.55	32.55 32.55 32.55 32.55	37.73 37.73 37.73 37.73
		pf	247 247 357 359	359 359 359 359	332 332 332 332



DIREZIONE DELLA DISTRIBUZIONE - VICE DIREZIONE TECNICA - UNITA' UNIFICAZIONE IMPIANTI E METODI DI LAVORO

UNIFICAZIONE		ENEL		P = 4,0 kg/cm2		T I P O		D I		T E R R E N O		P = 1,0 kg/cm2		alpha = 20			
						Quota falda freatica		Quota falda freatica		Quota falda freatica		Quota falda freatica		Quota falda freatica		Quota falda freatica	
Sostegno	Carichi	alpha = 30		alpha = 20		alpha = 20		alpha = 20		alpha = 20		alpha = 20		alpha = 20			
Tipo	H S C	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0
TE* 24	84.9 88.6	CR	104/320	105/290	106/280	106/280	106/290	106/290	106/290	106/290	106/290	106/290	106/290	206/230	206/230	206/230	206/230
		col	288/47	288/41	288/40	288/40	288/41	288/41	288/41	288/41	288/41	288/41	288/41	288/59	288/59	288/59	288/59
		vc	4.54	6.24	8.54	8.54	8.58	8.58	8.58	8.58	8.58	8.58	8.58	10.88	10.88	10.88	10.88
		vs	20.00	24.39	30.49	30.49	31.58	31.58	31.58	31.58	31.58	31.58	31.58	37.73	37.73	37.73	37.73
		pf	166	154	164	164	166	166	166	166	166	166	166	332	332	332	332
			(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	(*)	-1.5	-0.5	0.0
		CS	202/280	202/280	203/280	203/280	203/290	203/290	203/290	203/290	203/290	203/290	203/290	206/230	206/230	206/230	206/230
		col	288/45	288/45	288/45	288/45	288/46	288/46	288/46	288/46	288/46	288/46	288/46	288/59	288/59	288/59	288/59
		vc	5.10	5.10	6.02	6.02	6.06	6.06	6.06	6.06	6.06	6.06	6.06	10.88	10.88	10.88	10.88
		vs	25.20	25.20	31.42	31.42	32.55	32.55	32.55	32.55	32.55	32.55	32.55	37.73	37.73	37.73	37.73
		pf	247	247	357	357	359	359	359	359	359	359	359	332	332	332	332
			(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	(*)	-1.5	-0.5	0.0
TE* 21	82.8 86.4	CR	104/320	105/280	106/280	106/280	105/320	105/320	106/280	106/280	106/280	106/280	106/280	205/240	205/240	205/240	205/240
		col	288/47	288/40	288/40	288/40	288/47	288/47	288/40	288/40	288/40	288/40	288/40	288/39	288/39	288/39	288/39
		vc	4.54	6.20	8.54	8.54	6.36	6.36	8.54	8.54	8.54	8.54	8.54	7.83	7.83	7.83	7.83
		vs	20.00	23.55	30.49	30.49	26.91	26.91	30.49	30.49	30.49	30.49	30.49	35.57	35.57	35.57	35.57
		pf	166	152	164	164	177	177	164	164	164	164	164	340	340	340	340
			(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	(*)	-1.5	-0.5	0.0
		CS	202/280	202/280	203/280	203/280	203/280	203/280	203/280	203/280	203/280	203/280	203/280	205/240	205/240	205/240	205/240
		col	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/39	288/39	288/39	288/39
		vc	5.10	5.10	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	7.83	7.83	7.83	7.83
		vs	25.20	25.20	31.42	31.42	31.42	31.42	31.42	31.42	31.42	31.42	31.42	35.57	35.57	35.57	35.57
		pf	247	247	357	357	357	357	357	357	357	357	357	340	340	340	340
			(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	(*)	-1.5	-0.5	0.0
TE* 18	80.1 84.0	CR	104/320	105/280	105/320	106/280	105/320	105/320	105/320	106/280	106/280	106/280	106/280	205/230	205/230	205/230	205/230
		col	288/50	288/45	288/47	288/40	288/47	288/47	288/47	288/40	288/40	288/40	288/40	288/38	288/38	288/38	288/38
		vc	4.54	6.20	6.36	8.54	6.36	6.36	8.54	8.54	8.54	8.54	8.54	7.79	7.79	7.79	7.79
		vs	20.00	23.55	26.91	30.49	26.91	26.91	30.49	30.49	30.49	30.49	30.49	34.09	34.09	34.09	34.09
		pf	189	165	177	164	177	177	164	164	164	164	164	338	338	338	338
			(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	(*)	-1.5	-0.5	0.0
		CS	202/280	202/280	203/280	203/280	203/280	203/280	203/280	203/280	203/280	203/280	203/280	205/230	205/230	205/230	205/230
		col	288/48	288/48	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/45	288/38	288/38	288/38	288/38
		vc	5.10	5.10	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02	7.79	7.79	7.79	7.79
		vs	25.20	25.20	31.42	31.42	31.42	31.42	31.42	31.42	31.42	31.42	31.42	34.09	34.09	34.09	34.09
		pf	267	267	357	357	357	357	357	357	357	357	357	338	338	338	338
			(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	0.0	(*)	-1.5	-0.5	(*)	-1.5	-0.5	0.0

DF 1814

Dicembre 1994

Ed. 1 - 2/3

