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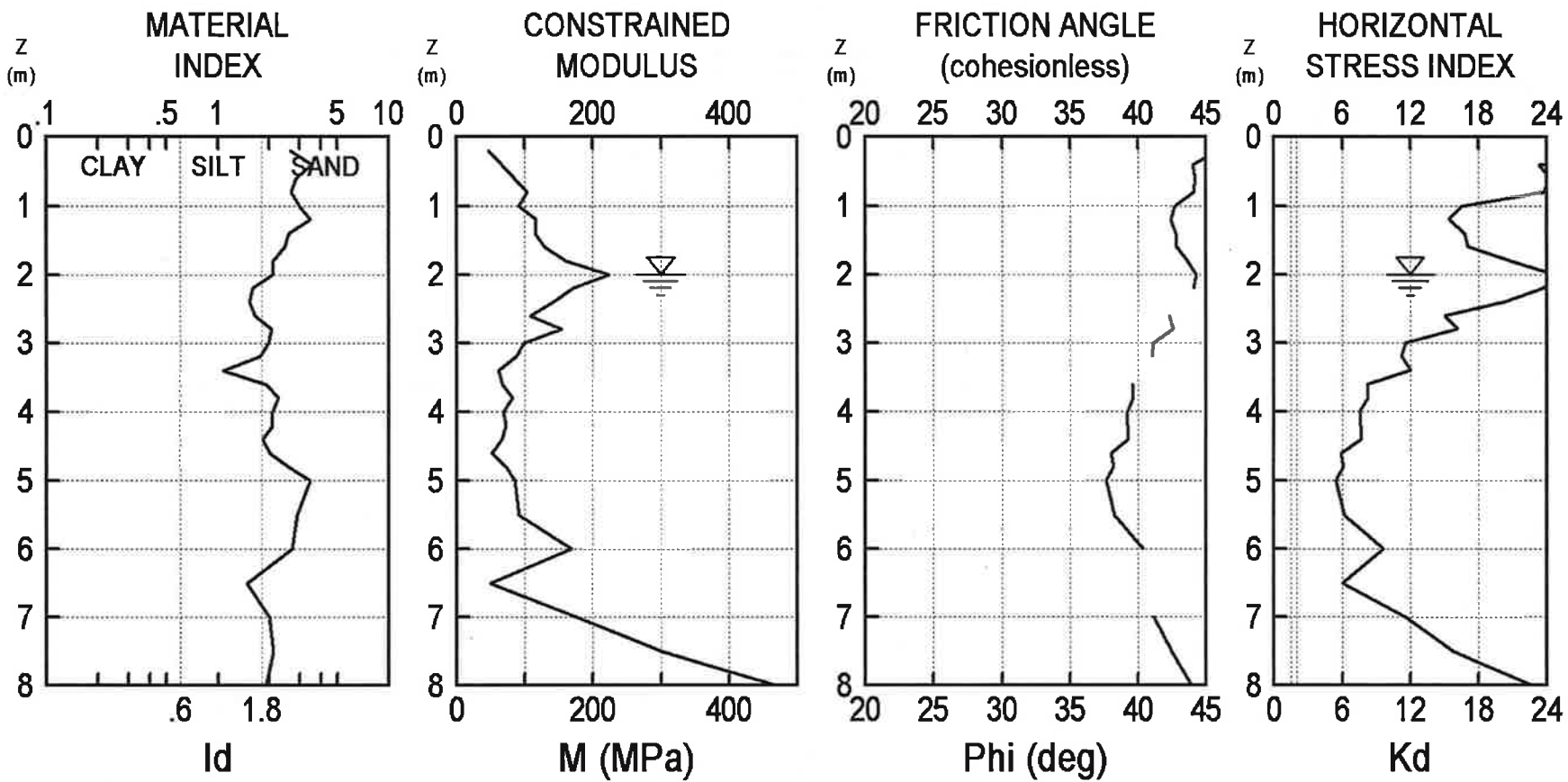
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Insitu Geotech Services (IGS)		Golder Associates
Rapid Transit	Gold Coast, QLD	
INTERPRETED GEOTECHNICAL PARAMETERS		TEST D03 6 SEP 2011



D03	LEGEND Z = Depth Below Ground Level Po,P1,P2 = Corrected A,B,C readings Id = Material Index Ed = Dilatometer Modulus Ud = Pore Press. Index = (P2-Uo)/(Po-Uo) Gamma = Bulk unit weight Sigma' = Effective overb. stress Uo = Pore pressure	INTERPRETED PARAMETERS Phi = Safe floor value of Friction Angle Ko = In situ earth press. coeff. M = Constrained modulus (at Sigma') Cu = Undrained shear strength Ocr = Overconsolidation ratio (OCR = "relative OCR"- generally realistic. If accurate independent OCR available, apply suitable factor)	SOUNDING PARAMETERS DeltaA = 9 kPa DeltaB = 65 kPa GammaTop = 17.0 kN/m^3 FactorEd = 34.7 Zm = 0.0 kPa Zabs = 0.0 m Zw = 2.0 m
6 SEP 2011			
Insitu Geotech Services (IGS) Golder Associates Rapid Transit Gold Coast, QLD GPS Format - GDA			

WaterTable at 2.00 m
Reduction formulae according to Marchetti, ASCE Geot.Jnl.Mar. 1980, Vol.109, 299-321; Phi according to TC16 ISSMGE, 2001

Z (m)	A (kPa)	B (kPa)	C (kPa)	Po (kPa)	P1 (kPa)	P2 (kPa)	Gamma (kN/m^3)	Sigma' (kPa)	Uo (kPa)	Id	Kd	Ed (MPa)	Ud	Ko	Ocr	Phi (Deg)	M (MPa)	Cu (kPa)	D03 DESCRIPTION
0.2	140	550		132	485		17.7	3	0	2.67	38.9	12.2				46	46.3		SILTY SAND
0.4	180	800		162	735		17.7	7	0	3.55	23.3	19.9				44	65.7		SAND
0.6	280	1050		254	985		18.6	10	0	2.87	24.3	25.4				44	84.7		SILTY SAND
0.8	370	1300		336	1235		18.6	14	0	2.67	23.7	31.2				44	103.4		SILTY SAND
1.0	330	1250		297	1185		18.6	18	0	2.99	16.6	30.8				43	91.8		SILTY SAND
1.2	380	1550		334	1485		18.6	22	0	3.44	15.4	39.9				42	116.3		SAND
1.4	470	1600		426	1535		19.6	25	0	2.60	16.8	38.5				43	115.1		SILTY SAND
1.6	550	1800		500	1735		19.6	29	0	2.47	17.1	42.8				43	128.8		SILTY SAND
1.8	750	2200		690	2135		19.6	33	0	2.09	20.8	50.1				44	160.0		SILTY SAND
2.0	1000	2900		918	2835		21.1	37	0	2.09	24.7	66.5				44	223.3		SILTY SAND
2.2	1000	2500		938	2435		20.6	39	2	1.60	23.7	52.0				44	172.4		SANDY SILT
2.4	900	2200		848	2135		19.1	42	4	1.53	20.3	44.7					141.6		SANDY SILT
2.6	700	1800		658	1735		19.1	43	6	1.65	15.0	37.4				42	107.8		SANDY SILT
2.8	800	2300		738	2235		19.6	45	8	2.05	16.1	52.0				43	153.4		SILTY SAND
3.0	600	1700		558	1635		19.6	47	10	1.97	11.6	37.4				41	98.7		SILTY SAND
3.2	600	1600		563	1535		19.1	49	12	1.76	11.2	33.7				41	88.0		SANDY SILT
3.4	650	1350		628	1285		19.1	51	14	1.07	12.0	22.8		2.1	16.4		61.0	106	SILT
3.6	480	1350		449	1285		18.6	53	16	1.93	8.2	29.0				40	67.1		SILTY SAND
3.8	510	1550		471	1485		19.6	55	18	2.24	8.3	35.2				40	81.9		SILTY SAND
4.0	480	1400		447	1335		18.6	57	20	2.08	7.5	30.8				39	69.0		SILTY SAND
4.2	500	1450		465	1385		19.6	58	22	2.07	7.6	31.9				39	71.6		SILTY SAND
4.4	520	1400		489	1335		19.6	60	24	1.82	7.7	29.4				39	66.2		SILTY SAND
4.6	420	1200		394	1135		18.6	62	26	2.01	5.9	25.7				38	51.7		SILTY SAND
4.8	460	1500		421	1435		18.6	64	27	2.58	6.1	35.2				38	72.6		SILTY SAND
5.0	440	1700		390	1635		18.6	66	29	3.46	5.5	43.2				38	85.4		SAND
5.5	520	1800		469	1735		19.6	70	34	2.92	6.2	43.9				38	91.4		SILTY SAND
6.0	850	2800		765	2735		19.6	75	39	2.71	9.7	68.4				40	168.7		SILTY SAND
6.5	550	1300		525	1235		17.7	80	44	1.48	6.0	24.6					49.4		SANDY SILT
7.0	1100	3000		1018	2935		21.1	84	49	1.98	11.5	66.5				41	175.3		SILTY SAND
7.5	1600	4500		1468	4435		21.1	90	54	2.10	15.8	103.0				42	301.8		SILTY SAND
8.0	2400	6400		2213	6335		21.1	95	59	1.91	22.6	143.0				44	468.0		SILTY SAND