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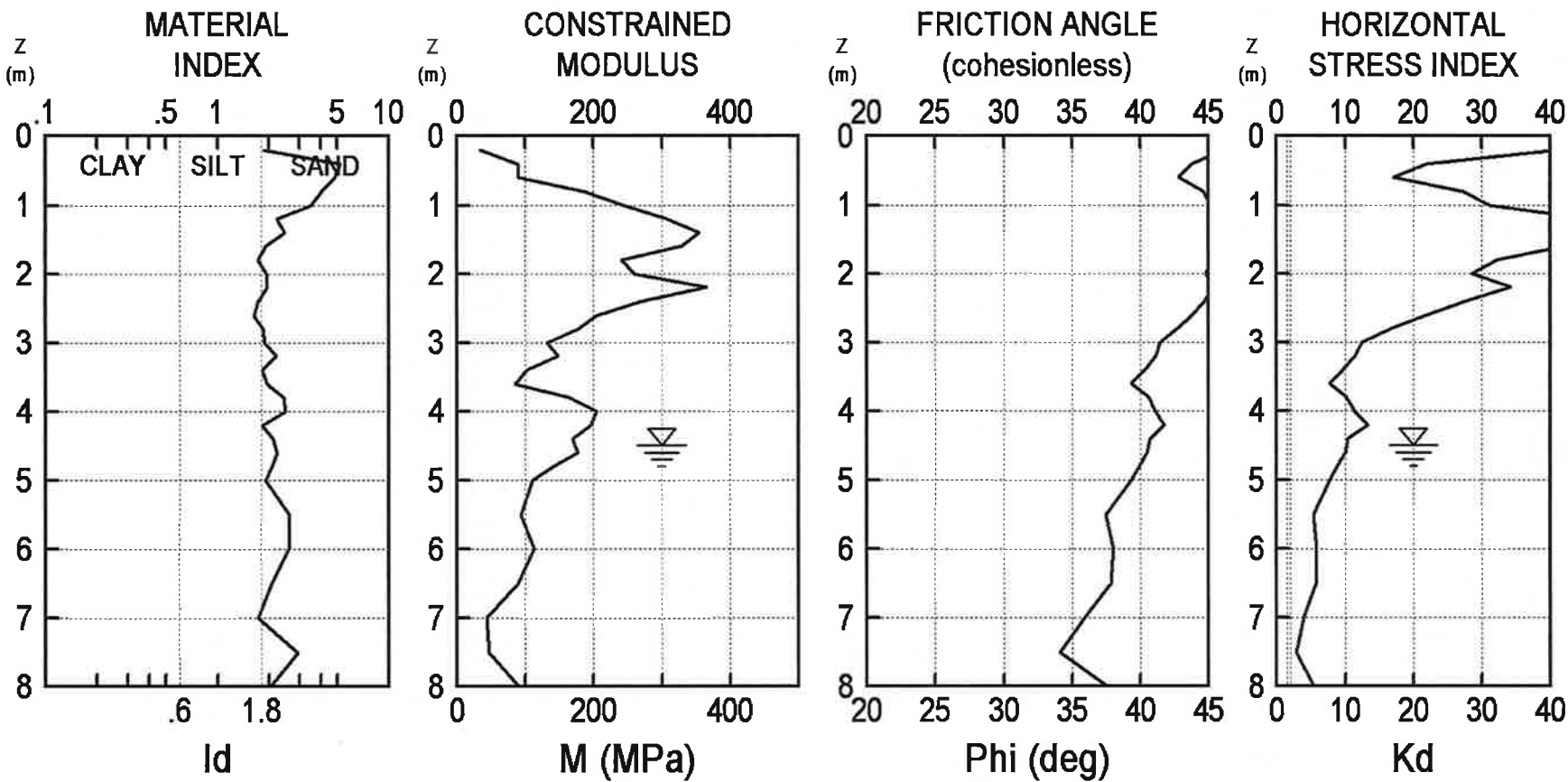
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Insitu Geotech Services (IGS)		Golder Associates
Rapid Transit		Gold Coast, QLD
INTERPRETED GEOTECHNICAL PARAMETERS		TEST D04 26 AUG 2011



D04	LEGEND	INTERPRETED PARAMETERS	SOUNDING PARAMETERS
26 AUG 2011	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	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)	DeltaA = 10 kPa DeltaB = 55 kPa GammaTop = 17.0 kN/m ³ FactorEd = 34.7 Zm = 0.0 kPa Zabs = 0.0 m Zw = 4.5 m
Insitu Geotech Services (IGS) Golder Associates Rapid Transit Gold Coast, QLD			

WaterTable at 4.50 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)	D04 DESCRIPTION
0.2	140	450		138	395		17.7	3	0	1.87	40.5	8.9				46	34.1		SILTY SAND
0.4	180	1000		152	945		17.7	7	0	5.21	22.0	27.5				44	89.3		SAND
0.6	210	1100		179	1045		18.6	10	0	4.85	17.1	30.1				43	90.4		SAND
0.8	450	2000		386	1945		19.6	14	0	4.04	27.2	54.1				45	186.5		SAND
1.0	650	2600		566	2545		19.6	18	0	3.50	31.2	68.7				45	245.8		SAND
1.2	1100	3300		1003	3245		21.1	22	0	2.23	45.5	77.8				46	306.1		SILTY SAND
1.4	1200	3800		1083	3745		21.1	26	0	2.46	41.3	92.4				46	354.8		SILTY SAND
1.6	1400	3800		1293	3745		21.1	30	0	1.90	42.4	85.1				46	329.1		SILTY SAND
1.8	1200	3100		1118	3045		20.6	35	0	1.72	32.2	66.9				45	241.2		SANDY SILT
2.0	1200	3300		1108	3245		21.1	39	0	1.93	28.6	74.1				45	259.0		SILTY SAND
2.2	1600	4400		1473	4345		21.1	43	0	1.95	34.2	99.6				45	365.2		SILTY SAND
2.4	1400	3600		1303	3545		20.6	47	0	1.72	27.6	77.8				45	269.2		SANDY SILT
2.6	1200	3000		1123	2945		20.6	51	0	1.62	21.9	63.2				44	204.9		SANDY SILT
2.8	1000	2700		928	2645		21.1	55	0	1.85	16.7	59.6				43	177.9		SILTY SAND
3.0	800	2200		743	2145		19.6	60	0	1.89	12.4	48.6				41	131.7		SILTY SAND
3.2	800	2400		733	2345		19.6	64	0	2.20	11.5	55.9				41	147.3		SILTY SAND
3.4	700	1900		653	1845		19.6	68	0	1.82	9.7	41.4				40	102.1		SILTY SAND
3.6	600	1700		558	1645		19.6	71	0	1.95	7.8	37.7				39	85.5		SILTY SAND
3.8	850	2700		771	2645		19.6	75	0	2.43	10.2	65.0				41	163.9		SILTY SAND
4.0	1000	3200		903	3145		21.1	79	0	2.48	11.4	77.8				41	204.0		SILTY SAND
4.2	1200	3200		1113	3145		21.1	84	0	1.83	13.3	70.5				42	195.4		SILTY SAND
4.4	1000	2900		918	2845		21.1	88	0	2.10	10.5	66.9				41	170.0		SILTY SAND
4.6	1000	3000		913	2945		21.1	91	1	2.23	10.0	70.5				41	176.4		SILTY SAND
4.8	900	2600		828	2545		19.6	93	3	2.08	8.8	59.6				40	142.2		SILTY SAND
5.0	800	2200		743	2145		19.6	95	5	1.90	7.8	48.6				39	110.0		SILTY SAND
5.5	600	2000		543	1945		19.6	100	10	2.63	5.3	48.6				37	94.3		SILTY SAND
6.0	700	2300		633	2245		19.6	105	15	2.61	5.9	55.9				38	113.3		SILTY SAND
6.5	700	2000		648	1945		19.6	110	20	2.06	5.7	45.0				38	89.1		SILTY SAND
7.0	500	1300		473	1245		17.7	115	25	1.72	3.9	26.8				36	43.0		SANDY SILT
7.5	400	1400		363	1345		18.6	119	29	2.94	2.8	34.1				34	47.4		SILTY SAND
8.0	750	2100		696	2045		19.6	123	34	2.04	5.4	46.8				38	89.9		SILTY SAND