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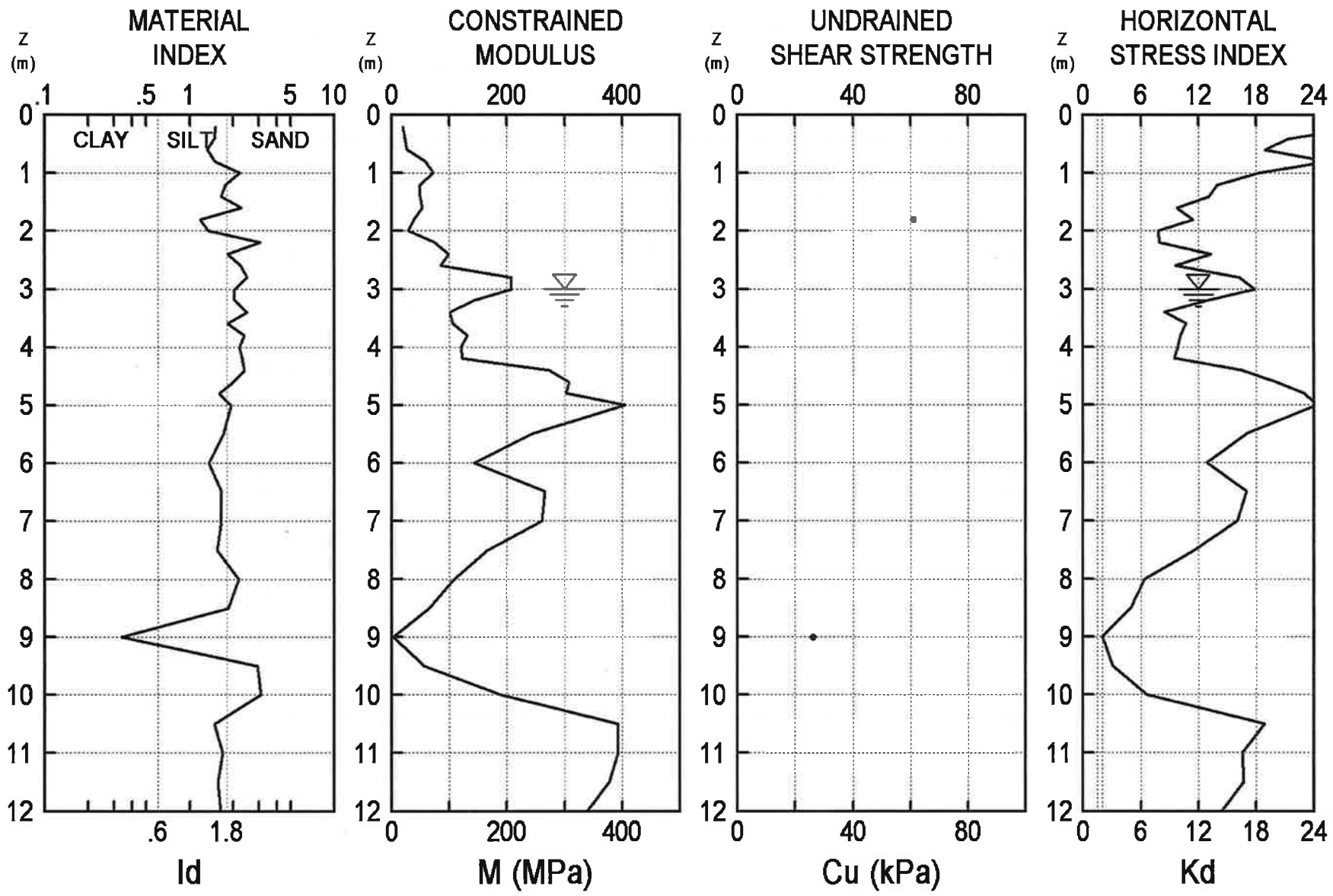
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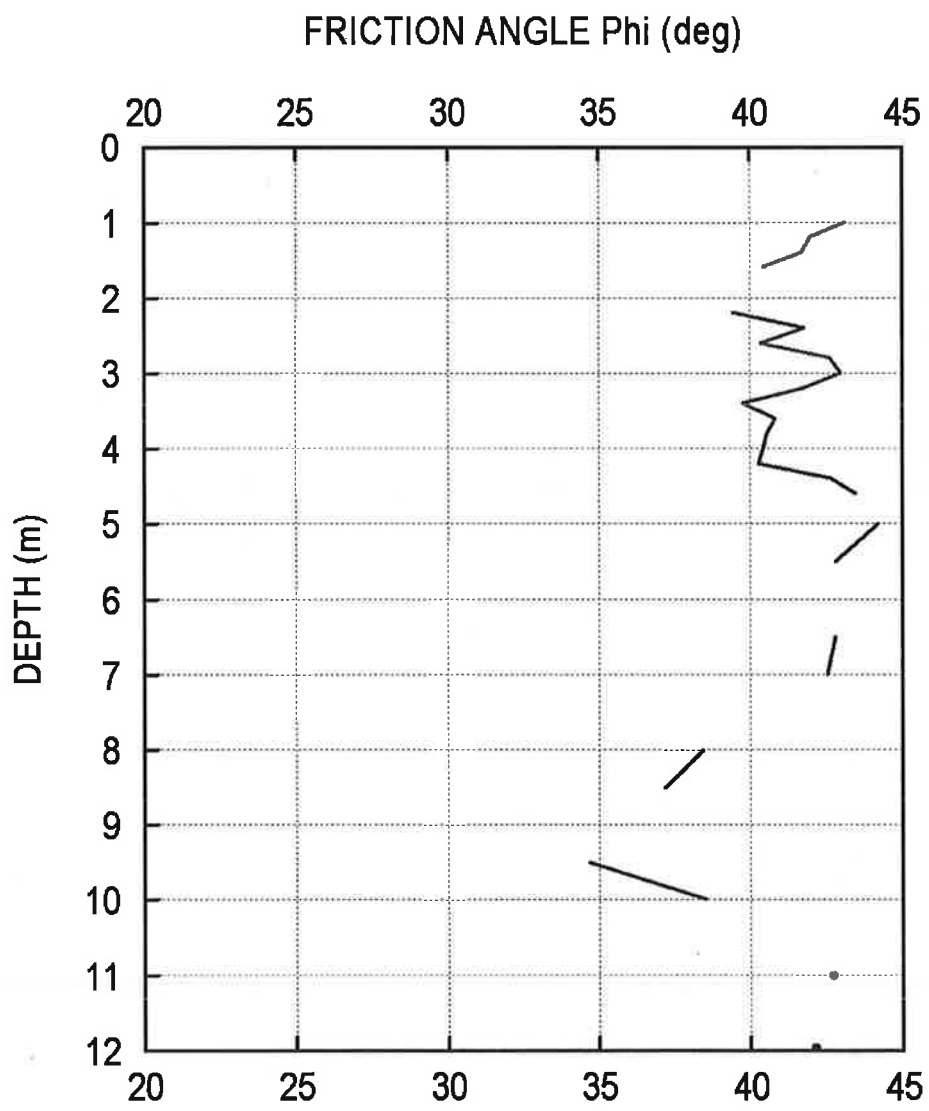
Retrieved from the Queensland Geotechnical Database <http://qgd.org.au/>

Insitu Geotech Services (IGS)		Golder Associates
Rapid Transit		
INTERPRETED GEOTECHNICAL PARAMETERS		Gold Coast, QLD
		TEST D02 6 SEP 2011



DILATOMETER TEST (D.M.T.)

Insitu Geotech Services (IGS)	Golder Associates	TEST
Rapid Transit	Gold Coast, QLD	D02
INTERPRETED GEOTECHNICAL PARAMETERS		6 SEP 2011



D02	LEGEND	INTERPRETED PARAMETERS	SOUNDING PARAMETERS
6 SEP 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 = 9 kPa DeltaB = 65 kPa GammaTop = 17.0 kN/m^3 FactorEd = 34.7 Zm = 0.0 kPa Zabs = 0.0 m Zw = 3.0 m
Insitu Geotech Services (IGS) Golder Associates Rapid Transit Gold Coast, QLD GPS Format - GDA			

WaterTable at 3.00 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)	D02 DESCRIPTION
0.2	100	320		102	255		15.7	3	0	1.51	29.9	5.3					18.8		SANDY SILT
0.4	140	410		139	345		16.7	7	0	1.48	21.3	7.1					23.0		SANDY SILT
0.6	190	500		187	435		16.7	10	0	1.32	19.0	8.6					26.7		SANDY SILT
0.8	350	900		335	835		17.7	13	0	1.49	25.4	17.3					58.6		SANDY SILT
1.0	330	1050		307	985		18.6	17	0	2.21	18.3	23.5				43	72.3		SILTY SAND
1.2	300	850		285	785		17.7	20	0	1.75	13.9	17.3				42	48.8		SANDY SILT
1.4	330	900		314	835		17.7	24	0	1.66	13.1	18.1				42	49.8		SANDY SILT
1.6	290	950		270	885		18.6	28	0	2.28	9.8	21.4				40	53.0		SILTY SAND
1.8	370	850		359	785		17.7	31	0	1.19	11.5	14.8		2.0	15.3		38.9	61	SILT
2.0	280	700		272	635		17.7	35	0	1.34	7.8	12.6					28.5		SANDY SILT
2.2	340	1300		305	1235		18.6	38	0	3.05	8.0	32.3				39	74.3		SILTY SAND
2.4	600	1650		560	1585		19.6	42	0	1.83	13.3	35.6				42	98.6		SILTY SAND
2.6	480	1500		442	1435		19.6	46	0	2.25	9.6	34.5				40	84.9		SILTY SAND
2.8	900	2900		813	2835		21.1	50	0	2.49	16.3	70.2				43	207.8		SILTY SAND
3.0	1050	3000		965	2935		21.1	54	0	2.04	17.8	68.4				43	208.3		SILTY SAND
3.2	800	2300		738	2235		19.6	56	2	2.04	13.1	52.0				42	143.0		SILTY SAND
3.4	550	1800		500	1735		19.6	58	4	2.49	8.5	42.8				40	100.9		SILTY SAND
3.6	700	1900		653	1835		19.6	60	6	1.83	10.7	41.0				41	105.3		SILTY SAND
3.8	700	2200		638	2135		19.6	62	8	2.38	10.1	52.0				41	130.5		SILTY SAND
4.0	700	2100		643	2035		19.6	64	10	2.20	9.9	48.3				40	120.1		SILTY SAND
4.2	700	2150		640	2085		19.6	66	12	2.30	9.5	50.1				40	123.0		SILTY SAND
4.4	1250	3850		1133	3785		21.1	68	14	2.37	16.4	92.0				43	273.3		SILTY SAND
4.6	1550	4300		1425	4235		21.1	70	16	1.99	20.0	97.5				43	307.8		SILTY SAND
4.8	1800	4400		1683	4335		20.6	73	18	1.59	22.9	92.0					302.3		SANDY SILT
5.0	2000	5400		1843	5335		21.1	75	20	1.92	24.4	121.2				44	405.1		SILTY SAND
5.5	1500	3800		1398	3735		20.6	80	25	1.70	17.1	81.1				43	243.8		SANDY SILT
6.0	1200	2700		1138	2635		20.6	86	29	1.35	12.9	52.0					142.5		SANDY SILT
6.5	1700	4200		1588	4135		20.6	91	34	1.64	17.0	88.4				43	265.5		SANDY SILT
7.0	1700	4200		1588	4135		20.6	97	39	1.65	16.0	88.4				43	260.4		SANDY SILT
7.5	1300	3100		1223	3035		20.6	102	44	1.54	11.5	62.9					165.8		SANDY SILT
8.0	800	2300		738	2235		19.6	107	49	2.17	6.4	52.0				38	108.6		SILTY SAND
8.5	650	1700		610	1635		19.6	112	54	1.84	5.0	35.6				37	65.3		SILTY SAND
9.0	290	440		295	375		15.7	117	59	0.34	2.0	2.8		0.55	1.0		2.4	26	SILTY CLAY
9.5	480	1600		437	1535		18.6	120	64	2.95	3.1	38.1				35	56.4		SILTY SAND
10.0	1000	3500		888	3435		21.1	125	69	3.11	6.6	88.4				39	188.8		SILTY SAND
10.5	2700	6250		2535	6185		20.6	130	74	1.48	18.9	126.6					393.0		SANDY SILT
11.0	2500	6200		2328	6135		20.6	136	78	1.69	16.6	132.1				43	393.5		SANDY SILT
11.5	2600	6150		2435	6085		20.6	141	83	1.55	16.7	126.6					377.9		SANDY SILT
12.0	2350	5700		2195	5635		20.6	146	88	1.63	14.4	119.4				42	339.5		SANDY SILT