UCB-BYU-UCLA ZETAS-SaU-METU

Joint Research

Project Name: Ground Failure and Building Performance in Adapazari, Turkey Location: Site A - Tul and Yakin Streets, Cumhuriyet District, Adapazari

Date: June 23, 2000

Field Log by: Rodolfo B. Sancio

Operator: ZETAS (Zemin Teknolojisi, A. S.) Sponsored by:

NSF, Caltrans CEC, PG&E

Drilling Method: Rotary wash with 9 cm-diameter tricone bit Water Table Elevation: GWL=0.90m 06/24/00, 0.77m 06/26/00, 0.77m 06/28/00

Notes: Solid flight auger used to a depth of 1.5 m

Test ID: SPT-A1

GPS Coordinates: 40.77922°N 30.39487°E Elevation: -0 cm with respect to CPT-A3

Drilling Equipment: Custom made, equivalent to Crealius XC90H Responsible Engineers: J. D. Bray and R. B. Sancio, U. C. Berkeley SPT System: Rope, pulley and cathead method. AWJ rods.

Hammer Type: Safety Hammer (per Kovacs et al. 1983)

Notes. Solid hight added to a depth of 1.5 hi																				
Depth Scale (m)	Lithology	NSCS	Sample Type and No.	Recovery/ Length (cm)	SPT Blows/15 cm	Casing Depth (m)	Rod Length (m)	Energy Ratio (%)	Description	q _u Pocket Pen (kPa)	Su Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 µm	< 5 µm (%)	< 2 µm (%)	D50 (mm)	D10 (mm)	Remarks
								N	ASPH: Boring performed through asphalt and subgrade of Tul street	/										
- 1 -		ML	S-A1-1	18/45	1-3-3		4.27	37	FILL: Materials transition from a brown to gray gravelly sand to red silty clay of hard			38	41	13	90					
-2		MH/CH	S-A1-2	40/45	3-2-5		5.80	46	CH: Brown, moist, sticky, high		28	39	53	23	94					
-3		СН	S-A1-3	31/45	2-3-4		5.80	42	plasticity silty clay without visible sand particles. S-A1-4 shows darker tones and some fine to medium sand content	140	50	39	65	35	100	61	36	0.0035	<2µm	
-		CL	S-A1-4	36/45	1-2-2		7.32	57		80	22	37	46	23	87					
- 4 -		ML/ML- CL	S-A1-5	40/45	2-2-2		7.32	53	ML: Gray silt with sand. Field description: ML	70	23	29	29	6	74	16	>10%	0.045	0.003	
5	\ \ \ \ \	СН	S-A1-6	45/45	1-2-1		8.84	55	ML: Brown, low plasticity silt with fine sand and some red clay points	80	25	44	55	28	92					
- 6 -		CL/ML	S-A1-7	39/45	1-1-2		8.84	50	CH: High plasticity gray clay with low sand content (traces). At 5.3 m a thin fine sand seam was identified. Sample A1-7 exhibits some sand seams	75	26	39	47	20	97	31	18	0.012	<2µm	
- 7		ML	S-A1-8	37/45	6-6-9		10.37	65	ML: Gray sandy silt. Increasing sand content with depth	450		27	30		70	15	10	0.057	0.002	
-8		ML	S-A1-9	41/45	6-9-10		11.89	75		275		27	29		58					
- -9 -		SP	S-A1-10	41/45	11-20-23		11.89	64	SP: Medium to fine poorly graded gray sand	300		24			5			0.29	0.12	