UCB-BYU-UCLA ZETAS-SaU-METU Project Name: Ground Failure and Building Performance in Adapazari, Turkey

Location: Site L - Ankara Avenue, Orta District, Adapazari

Date: July 24, 2000

Field Log by: Rodolfo B. Sancio

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

NSF, Caltrans CEC, PG&E

Joint Research

Drilling Method: Rotary wash with 9 cm-diameter tricone bit

Water Table Elevation: GWL = 0.68 m 07/24/00

Test ID: SPT-L1

GPS Coordinates: 40.77855°N 30.40272°E

Elevation: -1 cm with respect to CPT-L1 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)

	CEC, I G&E			Notes:																		
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	qu Pocket Pen (kPa)	Su Torvane (kPa)	Moisture Content (%)	Liquid Limit	Plasticity Index	% fines < 75 µm	(%) mm (>)	< 2 µm (%)	D50 (mm)	D10 (mm)	Remarks		
- 1 - 1 - 2		CL	S-L1-1	16/45	3-2-2	0.95	4.27	49	Fill: Pavement and bricks followed by sand subgrade and black to gray clayey silt with fine sand and some gravel	180	40	40	46	24	77	40	30	0.009	<2µm			
-2		ML	S-L1-2	28/45	3-3-2	2.15	5.80	57				31	26	-	74	<15%	<10%	0.06	0.028			
-3	1.HH.	ML/CL	S-L1-3	0/45	2-1-1	3.0	7.32	54	CLAYEY SILT: Brown low plasticity silt with sand to sandy silt interspersed with brown low plasticity silty clay.			44	41	15	93	56	41	0.003	<2µm	A piece of gravel got stuck in the sampler and no sample was recovered at		
4	 	ML ML	S-L1-4A S-L1-4B	37/45	4-3-2	3.75	7.32	52	Samples exhibit red oxidation areas. FC varies from 57% to	50		31 38	28 37	- 9	79 97	<15% 22	<10% 10	0.059 0.01	0.02 0.002	3.05 m (S-L1-3). When rods were reinserted in the hole,		
- - - 5	#::: ::	ML CL	S-L1-5A S-L1-5B	38/45	2-2-2	4.45	8.84	58	97%	150	45	33 35	31 42	<u>-</u> 21	57 93	10 39	6 30	0.063 0.01	0.005 <2µm	they reached the same depth and they were pushed to obtain a representative sample		
	H :::	ML	S-L1-6	38/45	3-3-6	5.45	8.84	59		160		34	33	6	87	12	4	0.03	0.004			
-6 - - - -7		SM SP-SM	S-L1-7A S-L1-7B	37/45	16-15-18	6.45	10.37	57	SILTY SAND: Brown (S-L1-7) to gray (S-L1-8) silty sand to sand with silt. Approx. 5% fine gravel in S-L1-8			22 22	22	- -	45 11	9	1 -	0.08 0.27	0.007 0.07			
-8	- - - - - - - - - - - - - - - - - - -	SP-SM	S-L1-8	39/45	10-13-18	7.45	11.89					17	-	-	8	-	-	0.43	0.1			
-	T:::::::::::::::::::::::::::::::::::::	MH/CH	S-L1-9A	32/45	3-8-6	8.45	11.89	61	CLAYEY SILT: Gray clayey silt interbedded with silt with sand	50	28	39	51	22	98	32	18	0.01	<2µm			