**UCB-BYU-UCLA ZETAS-SaU-METU**  Project Name: Ground Failure and Building Performance in Adapazari, Turkey Location: Site A - Tul and Yakin Streets, Cumhuriyet District, Adapazari

**Date:** June 26, 2000

Field Log by: Rodolfo B. Sancio

Sponsored by:

NSF, Caltrans CEC, PG&E

Joint Research

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

Drilling Method: Rotary wash with 9 cm-diameter tricone bit Water Table Elevation: GWL = 0.87 m 06/26/00, 0.70 m 06/28, 0.72 m 07/08

Notes: Solid flight auger was used to a depth of 1.8 m

Test ID: SPT-A3

**GPS Coordinates:** 40.77922°N 30.39487°E

Elevation: -14 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)

Fill: Asphalt, subgrade and fill consisting of dark brown clayey gravelly sand.  - S-A3-1 0/45 2-1-2 4.27 47  - CH S-A3-2 25/45 1-2-3 5.80 55 CH: Brown, high plasticity silty clay. At about 2 m there is a layer of brown fine sandy silt  - CH S-A3-3 28/45 1-2-2 5.80 43  - CH S-A3-4A 34/45 2-3-2 7.32 56 ML: Gray low plasticity clayey 70 12 30 31 6 79 A 3 cm-thick fine sand	Notes. Solid hight auger was used to a depth of 1.6 m																				
Fill: Asphalt, subgrade and fill consisting of dark brown clayey gravelly sand.  CH S-A3-1 0/45 1-2-3 5.80 55 CH: Brown, high plasticity silty clay. At about 2 m there is a layer of brown fine sandy silt with fine sand.  CH S-A3-3 28/45 1-2-2 5.80 43 1-2		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	< 5 µm (%)	< 2 µm (%)	D50 (mm)	D10 (mm)	Remarks
CH S-A3-2 25/45 1-2-3 5.80 55 CH: Brown, high plasticity silty clays. At about 2 m there is a layer of brown fine sandy silt 150 47 38 59 33 99 50 35 0.005 <2 m layer of brown fine sandy silt 150 47 38 59 33 99 50 35 0.005 <2 m layer of brown fine sandy silt 150 47 38 59 33 99 50 35 0.005 <2 m layer of brown fine sandy silt with fine sand. 150 47 38 59 33 99 50 35 0.005 <2 m layer of brown fine sandy silt with fine sand. 150 47 38 59 33 99 50 35 0.005 <2 m layer of brown fine sandy silt with fine sand. 150 47 38 59 33 99 50 35 0.005 <2 m layer of brown fine sandy silt with fine sand. 150 47 38 59 38 9 91 13 3 0.004 0.004 150 150 150 150 150 150 150 150 150 150	-0 - -									consisting of dark brown											
CH S-A3-3 28/45 1-2-2 5.80 43   1-2-2   5.80 43	- 1 - -		-	S-A3-1	0/45	2-1-2		4.27	47		-	-	-	-	-	-	-	-	-	-	
ML S-A3-4A S-A3-4B ML S-A3-6 38/45 2-2-2 5.55 8.84 62 ML: Gray low plasticity clayey silt with fine sand.  ML S-A3-6 38/45 3-4-10 6.45 10.37 61 SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel  ML S-A3-6 38/45 2-3-2 5.55 8.84 62 SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel	_ -2		СН	S-A3-2	25/45	1-2-3		5.80	55	clay. At about 2 m there is a	170	61	39	61	33	99	-	-	-	-	
S-A3-4B  ML SH-A3-5 42/42  - 4.45   ML S-A3-6 38/45  ML S-A3-7 38/45  ML S-A3-7 38/45  SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel  SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel  SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel	- -3 -		СН	S-A3-3	28/45	1-2-2		5.80	43		150	47	38	59	33	99	50	35	0.005	<2µm	
ML SH-A3-5 42/42 - 4.45 80 18 39 38 9 91 13 3 0.024 0.004  ML S-A3-6 38/45 2-2-2 5.55 8.84 62  ML S-A3-7 38/45 3-4-10 6.45 10.37 61  SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel	- - 4 -		ML	l	34/45	2-3-2		7.32	56		70	12	30	31	6	79	-	-			seam at 20 cm above the
ML S-A3-7 38/45 3-4-10 6.45 10.37 61	- -5		ML	SH-A3-5	42/42	-	4.45	-	-		80	18	39	38	9	91	13	3	0.024	0.004	
SAND: Gray poorly graded sand with silt and traces (8%) of fine rounded gravel	- - -6		ML	S-A3-6	38/45	2-2-2	5.55	8.84	62		40	30	42	43	15	96	-	-	-	-	
sand with silt and traces (8%) of fine rounded gravel	- - - 7		ML	S-A3-7	38/45	3-4-10	6.45	10.37	61		170	-	31	37	8	88	-	-	-	-	
SP-SM   S-A3-8   35/45 7-18-24   8.45   11.89   65	- - 8									sand with silt and traces (8%)	-										
	-		SP-SM	S-A3-8	35/45	7-18-24	8.45	11.89	65		360	-	23	-	-	9	-	-	0.22	0.08	