



**Sample 2 (35 Blows; Surcharge: 2.3 lbs.)**

**Water Content**

Wt. Wet Soil+Tare, gms.321.3    Wt. Soil+Tare, gms. 286.1    Wt. Tare, gms. 37.1    **Moisture, % 14.1**

**Unit Weight**

Wt. Mold+Soil, lbs.18.38    Wt. Mold, lbs. 9.27    Ht. Soil, in. 4.58    **Density, pcf 106.5**

**Swell Data**

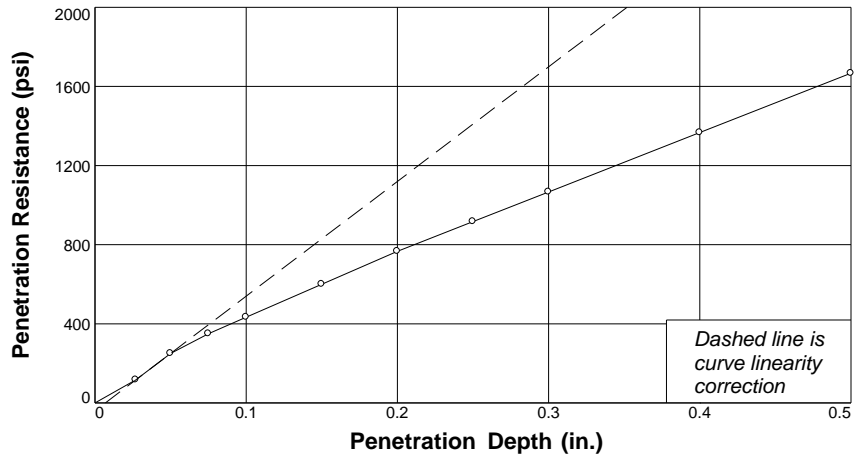
Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	198	4.3

**Final Water Content**

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
1)	628.8	541.8	200.2	<b>25.5</b>

**Penetration Test Data**

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.027	7	116.7	
0.05	15	250.0	
0.075	21	350.0	
<b>0.1</b>	<b>26</b>	<b>433.3</b>	<b>45.6</b>
0.15	36	600.0	
<b>0.2</b>	<b>46</b>	<b>766.7</b>	<b>52.5</b>
0.25	55	916.7	
0.3	64	1066.7	57.2
0.4	82	1366.7	60.3
0.5	100	1666.7	64.1



**Sample 3 (50 Blows; Surcharge: 3 lbs.)**

**Water Content**

Wt. Wet Soil+Tare, gms.312.9    Wt. Soil+Tare, gms. 278.5    Wt. Tare, gms. 37.5    **Moisture, % 14.3**

**Unit Weight**

Wt. Mold+Soil, lbs.18.97    Wt. Mold, lbs. 9.36    Ht. Soil, in. 4.58    **Density, pcf 112.0**

**Swell Data**

Elapsed Time, hrs.	Dial Reading in. x 1,000	Swell %
0	0	0.0
96	245	5.3

**Final Water Content**

	Wt. Wet Soil+Tare, gms.	Dry Soil+Tare	Tare	Moisture, %
1)	605.6	531.5	216.6	<b>23.5</b>

**Penetration Test Data**

Pen. in.	Dial Reading in. x 1,000	Stress psi	CBR %
0.0	0	0.0	
0.025	10	166.7	
0.05	17	283.3	
0.075	22	366.7	
<b>0.1</b>	<b>29</b>	<b>483.3</b>	<b>48.3</b>
0.15	42	700.0	
<b>0.2</b>	<b>55</b>	<b>916.7</b>	<b>61.1</b>
0.25	69	1150.0	
0.3	82	1366.7	71.9
0.4	110	1833.3	79.7
0.5	141	2350.0	90.4

