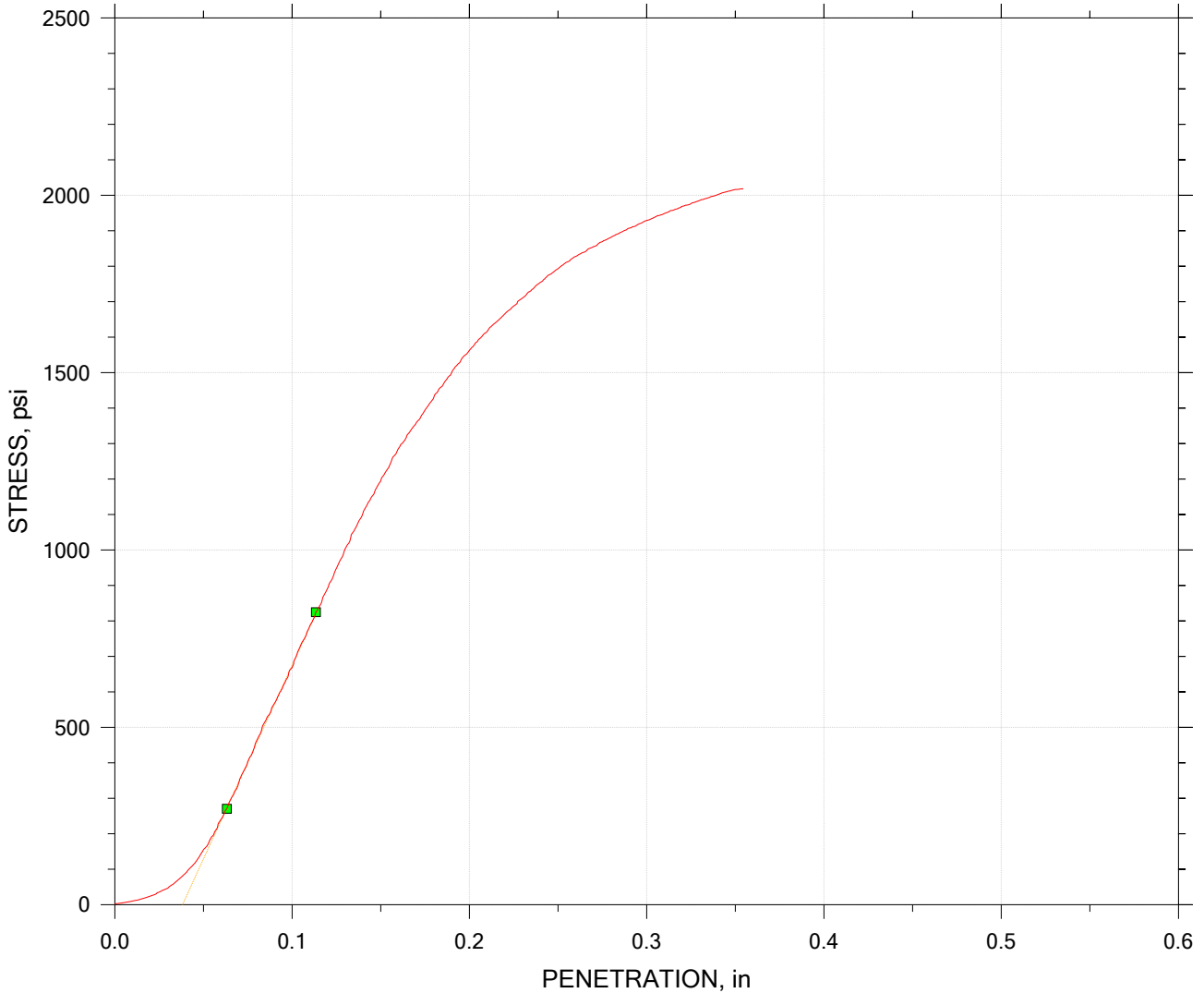



# CALIFORNIA BEARING RATIO TEST REPORT



|                                |         |
|--------------------------------|---------|
| Sample Height, in              | 4.58    |
| Sample Area, in <sup>2</sup>   | 28.274  |
| Sample Volume, ft <sup>3</sup> | 0.07494 |
| Sample Mass, gm                | 4796.8  |
| Sample Condition               | Soaked  |
| Swell, %                       | 0.50    |
| Surcharge, gm                  | 4536    |
| Void Ratio                     | 0.32    |
| Wet Unit Weight, pcf           | 141.11  |
| Dry Unit Weight, pcf           | 125.72  |


| California Bearing Ratio |                |                |
|--------------------------|----------------|----------------|
| at 0.1 in: 109           | at 0.3 in: 105 | at 0.5 in: N/A |
| at 0.2 in: 117           | at 0.4 in: N/A |                |

| Water Content            | Before | After  | Average | Soaked |
|--------------------------|--------|--------|---------|--------|
| Tare ID                  | 2521   | 2420   |         | 8032   |
| Tare Mass, gm            | 8.12   | 8.25   |         | 8.29   |
| Mass Tare + Wet Soil, gm | 377.62 | 254.86 |         | 276.71 |
| Mass Tare + Dry Soil, gm | 347.21 | 221.72 |         | 249.07 |
| Water Content, %         | 8.97   | 15.52  | 12.25   | 11.48  |

|                                                                                     |                                                                                                        |                       |                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
|  | Project: CBR                                                                                           | Location: Place, USA  | Project No.: CBR123 |
|                                                                                     | Boring No.: Composite                                                                                  | Tested By: ab         | Checked By: xy      |
|                                                                                     | Sample No.: CD/SC-SB-44                                                                                | Test Date: XX/XX/XXXX | Depth: 0-4 ft       |
|                                                                                     | Test No.: CBR-7                                                                                        | Sample Type: remolded | Elevation: ---      |
|                                                                                     | Description: Dry, reddish brown silty sand                                                             |                       |                     |
|                                                                                     | Remarks: Target Compaction: 101% of Maximum Dry Density (128.5 pcf) at Optimum Moisture Content (9.0%) |                       |                     |
|                                                                                     |                                                                                                        |                       |                     |

# CALIFORNIA BEARING RATIO TEST REPORT

|    | Time<br>min | Stress<br>psi | Correction<br>in | Penetration<br>in |
|----|-------------|---------------|------------------|-------------------|
| 1  | 0.00000     | 2.3592        | 0.00000          | 0.00000           |
| 2  | 0.012500    | 2.9036        | 0.00000          | 0.00039696        |
| 3  | 0.020833    | 2.9036        | 0.00000          | 0.00089315        |
| 4  | 0.033333    | 3.2665        | 0.00000          | 0.0016374         |
| 5  | 0.041667    | 3.4480        | 0.00000          | 0.0018359         |
| 6  | 0.050000    | 3.8110        | 0.00000          | 0.0022825         |
| 7  | 0.062500    | 4.1739        | 0.00000          | 0.0028779         |
| 8  | 0.070833    | 4.3554        | 0.00000          | 0.0032253         |
| 9  | 0.083333    | 4.7183        | 0.00000          | 0.0039199         |
| 10 | 0.091667    | 5.0813        | 0.00000          | 0.0042673         |
| 11 | 0.10000     | 5.4442        | 0.00000          | 0.0046146         |
| 12 | 0.11250     | 5.9887        | 0.00000          | 0.0049620         |
| 13 | 0.12083     | 5.9887        | 0.00000          | 0.0050612         |
| 14 | 0.13333     | 6.7146        | 0.00000          | 0.0060536         |
| 15 | 0.14167     | 7.0775        | 0.00000          | 0.0067483         |
| 16 | 0.15000     | 7.4405        | 0.00000          | 0.0072445         |
| 17 | 0.16250     | 7.9849        | 0.00000          | 0.0079391         |
| 18 | 0.17083     | 8.3478        | 0.00000          | 0.0082368         |
| 19 | 0.18333     | 9.0737        | 0.00000          | 0.0087330         |
| 20 | 0.19167     | 9.2552        | 0.00000          | 0.0089315         |
| 21 | 0.20000     | 9.6181        | 0.00000          | 0.0092292         |
| 22 | 0.21250     | 10.163        | 0.00000          | 0.0099239         |
| 23 | 0.22083     | 10.888        | 0.00000          | 0.010420          |
| 24 | 0.23333     | 11.614        | 0.00000          | 0.011065          |
| 25 | 0.24167     | 12.159        | 0.00000          | 0.011710          |
| 26 | 0.25000     | 12.522        | 0.00000          | 0.012455          |
| 27 | 0.26250     | 13.429        | 0.00000          | 0.013298          |
| 28 | 0.27083     | 13.792        | 0.00000          | 0.013546          |
| 29 | 0.28333     | 14.699        | 0.00000          | 0.014092          |
| 30 | 0.29167     | 15.244        | 0.00000          | 0.014290          |
| 31 | 0.30000     | 15.788        | 0.00000          | 0.014588          |
| 32 | 0.31250     | 16.877        | 0.00000          | 0.015184          |
| 33 | 0.32083     | 17.422        | 0.00000          | 0.015928          |
| 34 | 0.33333     | 18.147        | 0.00000          | 0.016523          |
| 35 | 0.34167     | 18.510        | 0.00000          | 0.016672          |
| 36 | 0.35000     | 19.599        | 0.00000          | 0.017218          |
| 37 | 0.36250     | 20.507        | 0.00000          | 0.017714          |
| 38 | 0.37083     | 21.233        | 0.00000          | 0.017863          |
| 39 | 0.38333     | 22.140        | 0.00000          | 0.018409          |
| 40 | 0.39167     | 22.866        | 0.00000          | 0.019004          |
| 41 | 0.40000     | 23.410        | 0.00000          | 0.019798          |
| 42 | 0.41250     | 24.681        | 0.00000          | 0.020443          |
| 43 | 0.42083     | 25.043        | 0.00000          | 0.020642          |
| 44 | 0.43333     | 26.495        | 0.00000          | 0.021535          |
| 45 | 0.44167     | 27.221        | 0.00000          | 0.021882          |
| 46 | 0.45000     | 27.947        | 0.00000          | 0.022230          |
| 47 | 0.46250     | 29.217        | 0.00000          | 0.022775          |
| 48 | 0.47083     | 29.943        | 0.00000          | 0.023073          |
| 49 | 0.48333     | 31.395        | 0.00000          | 0.023470          |
| 50 | 0.49167     | 31.758        | 0.00000          | 0.023520          |

|                                                                                     |                                                                                                        |                       |                     |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------|---------------------|
|  | Project: CBR                                                                                           | Location: Place, USA  | Project No.: CBR123 |
|                                                                                     | Boring No.: Composite                                                                                  | Tested By: ab         | Checked By: xy      |
|                                                                                     | Sample No.: CD/SC-SB-44                                                                                | Test Date: XX/XX/XXXX | Depth: 0-4 ft       |
|                                                                                     | Test No.: CBR-7                                                                                        | Sample Type: remolded | Elevation: ---      |
|                                                                                     | Description: Dry, reddish brown silty sand                                                             |                       |                     |
|                                                                                     | Remarks: Target Compaction: 101% of Maximum Dry Density (128.5 pcf) at Optimum Moisture Content (9.0%) |                       |                     |
|                                                                                     |                                                                                                        |                       |                     |